

Date completed:	Search Site	Vendors
Searcher:	STIC	16
Terminal time:	CM-1	STN
Elapsed time:	Pre-S	Dialog
CPU time:	Type of Search	APS
Total time:	N.A. Sequence	Geninfo

STAFF USE ONLY

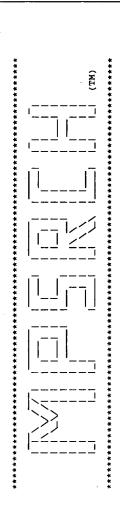
Number of Searches:

| A.A. Se | Number of Databases: | Structure | Structure

A.A. Sequence
Structure
Bibliographic

SDC
DARC/Questel
Other

PTO-1590 (9-90)



Release 3.1A John F. Collins, Biocomputing Research Unit. Copyright (c) 1993-1998 University of Edinburgh, U.K. Distribution rights by Oxford Molecular Ltd

- n.a. database search, using Smith-Waterman algorithm n.a. MPsrch_nn Fri Nov 13 22:12:04 1998; MasPar time 1501.65 Seconds 1522.943 Million cell updates/sec Run on:

Tabular output not generated.

>US-08-887-977-9 (1-1119) from US08887977.seq 1119 Description: Perfect Score: N.A. Sequence: Title:

......AGAAAGCTGAGTCTCCCTAA 1119 1 ATGTTTTCGACTCCAGTGAA. TACAAAAGCTGAGGTCACTT.

TABLE default Gap 6 Scoring table:

Dbase 0; Query 0 STD Nmatch

552174 seqs, 1021863385 bases x 2 Searched:

Minimum Match 0% Listing first 45 summaries Post-processing:

emb155 Database:

Database:

1:em_ba 2:em_htg 3:em_hum1 4:em_hum2 5:em_in 6:em_om
7:em_or 8:em_ov 9:em_pat 10:em_pl 11:em_ro
genbank107

12:9b ba 13:9b htg 14:9b_in 15:9b_om 16:9b_ov 17:9b_pat 18:9b_ph 19:9b_pl 20:9b_pr1 21:9b_pr2 22:9b_ro 23:9b_st 24:9b_sts 25:9b_sy 26:9b_un 27:9b_v1

Mean 10.987; Variance 4.759; scale 2.308 Statistics: Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

		Pred. No.	0.00e+00	0.00e+00	0.00e+00	0.00e+00	0.00e+00	0.00e+00	1.42e-39	1.42e-39	1.42e-39	1.42e-39	1.42e-39	3.27e-30	1.04e-27	1.04e-27	1.54e-28	
		Description	H.sapiens G protein-co	Homo sapiens CCR6 chem	Human G protein-couple	Human G protein-couple	Human IL8-related rece	Mus musculus mRNA for	H.sapiens BLR2 gene.	Human G protein-couple	Human Epstein-Barr vir	Human G protein-couple	Homo sapiens chromosom	Human G protein-couple	Human C-C chemokine re	cDNA encoding human MI	Mouse G protein-couple	
		ជ	HSCKRL3	HSU45984	HSU68032	HSD68030	HSD60000	AB009369	HSDNABLR2	HUMEBI1CDN	HUMGPCRA	HUMEBI103	AC004585	HSU45982	HUMCCCKR1A	E13385	MUSEBIICDN	
		DB	21	21	21	21	20	22	20	20	20	20	21	20	20	17	22	
		Match Length DB	1255	3693	1518	2978	1137	1302	1500	2139	2154	2215	133801	2577	1495	1609	2072	
æ	Query	Match	98.7	98.7	98.3	98.3	92.6	47.4	6.7	6.7	6.7	6.7	6.7	5.7	5.5	5.5	5.5	
		Score	1104	1104	1100	1100	1070	530	75	75	75	75	75	64	19	61	62	
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IICLVVWGLSVIISSSTFVFNQKYNTQGSDVCEPKYQTVSEPIRWKLLMLGEELLFGF

	CAC 3.146-25 aten 3.146-25 llus 2.086-24 llus 2.086-24 llus 2.086-24 kNA f 2.086-24 kNA f 2.086-24 chine 2.086-24 kine 2.086-24 kine 8.886-23 kine 8.886-23		13-NOV-1996	a; Chordata; Hominidae; Homo. . and Marquez,G.		(455)
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158541 HUMRANTES HUMHM145 MMCCR11 MMCCR12 MMCS9760 MMCS9760 MMCCR13 D87747 MMO 6580	IG6494 RABILBC RABILBREC MMLESTRPT AB010713 BP019947 AB000803 MMLESTRGN AF026535	HSC121241 MMY13776 AF017283 E13909 HUMACP1R FCU92795 HSC03905 HSC03882	DNA upled ptor C	ial Pri	996) Angel ez 109, Mac) , R., Gutier and RNA expr	es. Commun. ualifiers "Homo sapien taxon:9606"
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	00000000000000000000000000000000000000	05000000000000000000000000000000000000	HSCKRL3 H.sapiens G 279784 G1668737 G Protein-chuman. Homo sapien	Eukaryotae; mitoc Vertebrata; Euthe 1 (bases 1 to 12 Gutierrez,J, var unpublished Unpublished 2 (bases 1 to 12 zaballos,A.	Direct Sul Submitted Upjohn, An 3 (bases Zaballos, Molecular Receptor-	97040707
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                                                                         Score 1104; DB 21;
Pred. No. 0.00e+00;
0; Mismatches 4;
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                                                                         Query Match 98.7%;
Best Local Similarity 99.6%;
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Homo sapiens CCR6 chemokine receptor (CMKBR6) gene, complete cds.
U45984
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MD 20892-4090, USA
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Eukaryotae; mitochondrial eukaryotes; Metazoa; Chordata;
Vertebrata; Mammalla; Eutheria; Primates; Catarrhini; Hominidae;
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Lautens, L.L., Modi, W. and Bonner, T.I.
Clohing, Tissue Distribution and Chromosomal Localization potential G-Protein-Linked Receptor Unpublished
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Pred. No. 0.00e+00;
0; Mismatches 4;
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Submitted (16-JAN-1996) Tom I.
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llarity 99.6%;
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Farber, J. (bases 1 to 1518)
Farber, J.M. and Liao, F.
Direct Submission
Submitted (26-Aug-1996) NIAID/Bldg10/FmllN-228, NIH, 9000 Rockville Pike, Bethesda, MD 20892, USA
Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          /product="G protein-coupled receptor"
/db_xref="PID:91870669"
/tdnslation="mscsem/PSDVFDSSEDYFVSVNTSYYSVDSMLLCSLQEVRQF
SRLEVPIASSLICYFGLIGGINILVYIFFAFYKRARSMTDYYLLMMATADILFYLLPFW
AVSHATGAWVFSNATCKLLKGIYAINFNCGMLLLTCISMDRYIAIVQATKSFRLRSRT
LLFRIICLTVWGLSYIISSSFFVFTOXXYTGGSDVCEPKYGTYSEPIRWKLLMLGLE
LLFGFFIPLMFMIFCYTFIVATVQAQNSKRHKAIRYITAVUVFLACQIPHNMYLLV
TAANLGKMNRSQQSESLJGYTKWYTEVLAFFHCCLNPVLYAFIGGKFRNYFLKILKDL
MCVRRKYKSSGFSCAGRYSENISRQTSETADNDNASSFTM"
                                                                                                                                                                                                  Homo sapiens
Eukaryotae; mitochondrial eukaryotes; Metazoa; Chordata;
Eutebrata; Eutheria; Primates; Catarrhini; Hominidae; Homo.
1 (bases 1 to 1518)
Liao,F., Lee,H.H. and Farber,J.M.
Cloning of STRL22, a new human gene encoding a G-protein-coupled
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Human G protein-coupled receptor (STRL22) gene, complete cds.
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               Score 1100; DB 21;
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/db_xref="taxon:9606"
/clone_lib="Gtratagene # 951202"
 TCGTCCTTCACTATGTGATAGAAAGCTGAGTCTCCCTAA
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/gene="STRL22"
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/codon_start=1
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                  CGA-TTGCCTACTCCTTGATCTGTGTCTTTGGCCTCCTGGGGAATATTCTGGTGGTGATC
                                                      ACCTTTGCTTTTTATAAGAAGGCCAGGTCTATGACAGACGTCTATCTTTGAACATGGCC
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06-MAR-1997

PRI

mRNA

2978 bp

HSU68030

RESULT LOCUS

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/product="G protein-coupled receptor"
/db_xref="PID:g1870666"
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LDRIKIICLVVWGLSVIISSSTFVFNQKYNTGGSDVCBPKYQTVSEPIRWKLLMIGLE
LLEGFFTPIAMFMIFCYFPIVKTUVQAQNSKRHKAIRVIIAVVLVFFLACQIPHNWTLIV
TAAANLGKMRXKSGSESGEKIIGYTKTVTEVLAFLHCCLNPVLYAFIGQKFRNYFLKILKDL
WCVRRKXKSGSFSCGRKSENISRQTSFTAADNDNASSFTM"

608 c 714 g 849 t
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                                                                                                                                                        1 (bases 1 to 2978)
Liao,F., Lee,H.H. and Farber,J.M.
Cloning of STRL22, a new human gene encoding a G-protein-coupled receptor related to chemokine receptors and located on chromosome
                                                                                                                                                                                                                                                                                                                                    Rm. 11N-228, NIH, 9000
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GenBank Accession Number U68031
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Human G protein-coupled receptor (STRL22) mRNA, complete U68030 g1870665
                                                                                                                      Eukaryotae; mitochondrial eukaryotes; Metazoa; Chordata
Vertebrata; Eutheria; Primates; Catarrhini; Hominidae;
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1. .264
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/gene="STRL22"
265.
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6
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Farber,J.M. and Liao,F.
Direct Submission
Submitted (23-AUG-1996) NIAID, Bldg. 10,
Rockville Pike, Bethesda, MD 20892, USA
Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Score 1100; DB 21;
Pred. No. 0.00e+00;
0; Mismatches 6;
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/organism="Homo sapiens"
                                                                                                                                                                                                                                      Genomics 40 (1), 175-180 (1997)
97224503
                                                                                                                                                                                                                                                                                                                                                                                                                      /db_xref="taxon:9606"
/chromosome="6"
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in the 5'UTR; see
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  /codon_start=1
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larity 99.4%;
Conservative
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ORIGIN
                       DEFINITION
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                                                                                                                                                           REFERENCE
AUTHORS
TITLE
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                                                                                                                  /gene="DRY6"
1. .1137
                                                                                                                                            /gene="DRY6"
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al Similarity 98.6%;
1095; Conservative
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                                                                                                                                                                    ATGATATTTTGTTACACGTTCATTGTCAAAACCTTGGTGCAAGCTCAGAATTCTAAAAGG
             TGGAAGCTGCTGATGTTGGGGCTTGAGCTACTCTTTGGTTTCTTTATCCCTTTGATGTTC
                                                                                                                                                                                                                                                                        TGCCTGAACCCTGTGCTCTACGCTTTTATTGGGCAGAAGTTCAGAAACTACTTTCTGAAG
GCGTGGGTTTTCAGCAATGCCACGTGCAAGTTGCTAAAAGGCATCTATGCCATCAACTTT
                                                    AACTGCGGGATGCTGCTCCTGACTTGCATTAGCATGGACCGGTACATCGCCATTGTACAG
                                                                                                     GCGACTAAGTCATTCCGGCTCCGATCCAGAACACTACCGCGCACGAAAATCATCTGCCTT
                                                                                                                                                        GTTGTGTGGGGGCTGTCAGCTCATCTCCAGCTCAACTTTTGTCTTCAACCAAAATAC
                                                                                                                                                                                                         AACACCCAAGGCAGCGATGTCTGTGAACCCAAGTACCAGACTGTCTCGGAGCCCATCAGG
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Homo sapiens
Eukaryotae; mitochondrial eukaryotes; Metazoa; Chordata;
Vortebrata; Eutheria; Primates; Catarrhini; Hominidae; H.
1 (bases 1 to 1137)
MCCOy, R. and Perlmutter, D. H.
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Human IL8-related receptor (DRY6) mRNA,
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Unpublished
2 (bases 1 to 1137)
MCCOy,R. and Perlmutter,D.H.
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RESULT

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DEFINITION ACCESSION NID

KEYWORDS SOURCE ORGANISM

REFERENCE AUTHORS TITLE JOURNAL REFERENCE AUTHORS

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//Droduct="116-related receptor"
//product="116-related receptor"
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/xranslation="MsGSEMFSDYFDSSEDYFVSVNTSYYSVDSEMILCSLGEVROF
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AVSHATGAMVFSNATCKILLKGITAINFNGGMLLLTCISMDRYTAINOQATKSFRLRSR
ILPRSKIICLVWGLSVIISSSSEVFNGKYNTKALSOSDVCEPKYGTVSVPIRWKLLMLGLE
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TAAANLGKMNRSGOSEKLIGTYRWYTEVLACLINPVLXPFIGGRFRNYFLKILKDI
WCVRRKYKSSGFSCAGRYSENISRQTSSTADNDNAVVLHYVIES"

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Pred. No. 0.00e+00;
0; Mismatches 13; Indels 2;
Direct Submission
Submitted (28-MAY-1996) Pediatrics, Washington Univ.
Louis, 4942 Parkview Place, St Louis, MO 63110, USA
Louis, 1137
/organism="Homo sapiens"
/db_xref="taxon:9606"
/cell_line="hepatoma HepG2"
| 1.1137
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/db_xref="PID: d102d681"
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LLFMVFCYLFITKTLVQAQNSKRHRAIRVVIAVILVFFACQIPHNAVLLYTAVNTGKV
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MFGSCSTEKVLATTRNVAEVLAFFHCCLANPVLAFFIGGKFRNYFMKIMKDWCMRRKNK
MFGSCLCARAYSESYISROFFEFTHMASSFTM"
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Submitted (Ol-DEC-1997) to the DDBJ/RMBL/GenBank databases.
Submitted (Ol-DEC-1997) to the DDBJ/RMBL/GenBank databases.
Shigebhiro Yanagihara, Kirin Brewery Co., Ltd., Pharmaceutical
Research Laboratory; 3.Miyahara-cho, Takasaki, Gunma 370-12, Japan
(E-mall:syanagihara@kirin.co.jp, Tel:81-273-46-9826)
1. .1302
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mRNA for G protein-coupled receptor KY411, complete
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               CACAAAGCCATCCGTGTAATCATAGCTGTGGTGCTTGTGTTTCTGGGTTTCTCAATCCT
                                                                                                                                    ATGATATTTTGTTACACGTTCATTGTCAAAACCTTGGTGCAAGCTCAGAATTCTAAAAGG
                                                           CACAAAGCCATCCGTGTAATCATAGCTGTGGTGCTTGTGTTTCTGGCTTGTCATCCT
                                                                                                                       CATAACATGGTCCTGCTTGTGACGGCTGCAAATTTGGGTAAAATGAACCGATCCTGCCAG
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Yanagihara, S., Komura, B. and Yamaquchi, Y. Moucse G protein coupled receptor KY411:
Published Only in DataBase (1997) In press 2 (bases 1 to 1302)
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/db_xref="taxon:10090"
147. .1250
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Mus musculus
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AUTHORS
TITLE
JOURNAL
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 Length 1302
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530; DB 22;
No. 0.00e+00;
 Score 530;
Pred. No. (
Query Match 47.4%;
Best Local Similarity 76.9%;
Matches 786; Conservative
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                                                                                                                                                                                                                           Burgstahler, K., Kempkes, B., Steube, K. and Lipp, M. Expression of the chemokine receptor BLR2/EBII is specifically transactivated by Epstein-Barr virus nuclear antigen 2 Biochem. Biophys. Res. Commun. 215 (2), 737-743 (1995) 96011839
                                                                                                                                                                                                                                                                                                                                 Direct Submission
Direct Submission
Submitted (10-FEB-1995) M. Lipp, Max-Delbrueck-Centrum fuer
Mol.Medizin, Robert-Roessle-Strasse 10, 13122 Berlin-Buch, FRG
Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              255
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                                                                                       06-FEB-1996
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                                                                                                                                                                                           Metazoa; Chordata;
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Vertebrata; Eutheria; Primates; Catarrhini; Hominidae;
1 (bases 1 to 1500)
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                                                                                                                                                                                                                                                                                                                                                                                                      /organism-"Homo sapiens"
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/cell_line="Burkitt lymphoma BL64"
/clone_lib="lambda EMBL3a (BL64, genomic)"
/clone="P6, P15"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Length 1500;
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457 c 363 g 356 t
                                                                                     PRI
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Pred. No. 1.42e-39;
                                                                                                                               g673391
blr2 gene; Burkitt's lymphoma receptor
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               1. .310
/rpt_family="Alu"
375. .405.
*/note="splice acceptor site"
404. .>1500
                                                                                     DNA
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404. .1480
/gene="BLR2"
<404. .1480
/gene="BLR2"
                                                                                     1500 bp
BLR2 gene.
                                                                                                                                                                                                                                                                                                          (bases 1 to 1500)
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Best Local Similarity 63.7%;
Matches 221; Conservative
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/number=1
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H.sapiens I
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1247 GT 1248
                            GT 1096
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/product="6" protein-coupled receptor"
/db_xref="PID:9468320"
/translation="MDLGAFRISVLVVALLVIFQVCLCQDEVTDDYIGDNTTVDYTLF
ESLGSKDVRNRKARPEDINYSIICFVGLLGNGLVVLTYIYFRELKTWTDTYLLNLAV
ADILFLLTLEFWAYSAAKSWYFGVHFCKLIFAINKSSSEGMARCSLITEHVE
AVSAHRHRANVLLISKLSCVGVWILLATTYLSIPELYSDLGASSSEGMARCSLITEHVE
AVSAHRHRANVLLISKLSCVGWILLATTLYGSTPELLYSDLGASSSEGMARCSLITEHVE
AVSAHRHRANVLLAMSFCYLVIIRTLLQARNFERNKAIRVIIAVVVYFIVFO
LPYNGVVLAQTVANFNITSSTCELSKQLNIAYDVTYSLACVRCCVNPFLYAFIGGVKFR
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                /note="This sequence was obtained by RACE-PCR, appended to cDNA clone."
                                                                                                                                                                                                                                                                                  Eukaryotae; mitochondrial eukaryotes; Metazoa; Chordata; Vertebrata; Eutheria; Primates; Catarrhini; Hominidae; Homo.
1 (bases 1 to 2139)
Schwelckart, V.L., Raport, C.J., Godiska, R., Byers, M.G., Eddy, R.L.
Jr., Shows, T.B. and Gray, P.W.
Cloning of human and mouse EBI1, a lymphoid-specific
G-protein-coupled receptor encoded on human chromosome 17q12-q21.2
Genomics 23 (3), 643-650 (1994)
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                                                                                                                                       10-AUG-1995
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Human G protein-coupled receptor (EBI 1) mRNA, complete cds.
L31581
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      825
                                                 422
Score 75; DB 20; Le
Pred. No. 1.42e-39;
0; Mismatches 122;
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1. .2139
/organism="Homo sapiens"
/db_xref="taxon:9606"
                                                                                                                                                                                                                      G protein-coupled receptor.
Homo sapiens Blood cDNA to mRNA.
Homo sapiens
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/map="17q12-21.2"
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/gene="EBI 1"
2139
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'gene="EBI 1"
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      /translation="MOLGKPWKSVLVVALLVIPQVCLCODEVTDDYIGDNTTVDYTLF
ESLCSKKDVRNFKAWFLDIMYSIICFVGLLGNGLVVLTYIYFKRLKTMTDTYLLINLAV
ADILFLLTLPFWAYSAAKSWVFGVHFCKLIFAIYKMSFFSGMLLLLCISIDRYVAIVQ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   AVSAHRHRARVLLISKLSCVGSAILATVLSIPELLYSDLQRSSSEQAMRCSLITEHVE
AFITIQVAQMVIGFLVPLLAMSFCYLVIIRTLLQARNFERNKAIRVIIAVVVVFIVFQ
LPYNGVVLAQTVANFNIISSFCELSKQLNIAYDVTYSLACVRCCVNPFLYAFIGVKFR
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            /cell_type="B lymphocyte, EBV-converted Burkitt lymphoma"/germline
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           3;
                                                                                                                                                                              2154 bp mRNA PK1
1-Barr virus induced G-protein coupled receptor mRNA,
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                                                          316 AATGCCACGTGCAAGTTGCTAAAAGGCATCTATGCCATCAACTTTAACTGCGGGATGCTG 375
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Birkenbach,M., Josefsen,K., Yalamanchili,R., Lenoir,G. and K Epstein-Barr virus-induced genes: first lymphocyte-specific protein-coupled peptide receptors

J. Virol. 67 (4), 2209-2220 (1993)
                                                                                                                                                                                                                                                             Epstein-Barr virus induced gene; G-protein coupled receptor Homo sapiens cDNA to mRNA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  /gene="EB1 1"
/product="EBV induced G-protein coupled receptor"
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647 c 543 g 478 t
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Pred. No. 1.42e-39;
0; Mismatches 122; Indels 4
                                                                                        502 CTACTICITIGCATCAGCATIGACCGCTACGIGGCCATCGICCAGGC 548
                                                                                                         /organism="Homo sapiens"
/db_xref="taxon:9606"
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1. .2154
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64. .135
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64. .1200
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Best Local Similarity 63.7%;
Matches 221; Conservative
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/product="G protein-coupled receptor"
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AVSAHRHRARVLLISKLSCVGIWILATVLSIPELLYSDLQRSSSEQAMRCSLITEHVE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Eukaryotee; mitochondrial eukaryotee; Metazoa; Chordata; Vertebrata; Eutheria; Primates; Catarrhini; Hominidae; Homo. 1 (bases 1 to 2215)
Schweickart, V.L., Raport, C.J., Godiska, R., Byers, M.G., Eddy, R.L. Schweickart, Y.L., Raport, C.J., Godiska, R., Byers, M.G., Eddy, R.L. Cloning of human and mouse EBII, a lymphoid-specific G-protein-coupled receptor encoded on human chromosome 17q12-q21.2 Genomics 23 (3), 643-650 (1994)
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LPYNGVVLAQTVANFNIISSTCELSKQLNIAYDVTYSLACVRCCVNPFLYAFIGVKFR
NDLFKLFKDLGCLSQEQLRQMSSCRHIRRSSMSVEAETTTTFSP"
                                                                                                                                                                                                                                                                                                                                                                      Human G protein-coupled receptor (EBI 1) gene exon 3, complete cds. 131584 L31539
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            /tissue_type="placenta"
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                          TTCCTCCTGACCCTTCCCTTCTGGGCCTACAGCGCGGCCAA--GTCC-TGGGTCTTCGGT
                                                                                                        GTCCACTTTTGCAAGCTCATCTTTGCCATCTACAAGATGAGCTTCTTCAGTGGCATGCTC
                                                                                                                                                             316 AATGCCACGTGCAAGTTGCTAAAAGGCATCTATGCCATCAACTTTAACTGCGGGATGCTG
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Homo sapiens
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/clone="hRPC.1028_K_7"
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/map="17"
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/note="Single-stranded coverage."
1998. .2296
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17742. .17818
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ement'ince
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t/80"
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rpt_family="FLAM_C"
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442. .2513
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.6254. .16293
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                                                                                                                                                                                                                                                                                                                                                           AC004585 133801 bp DNA PRI 12-JUN-1998
Homo sapiens chromosome 17, clone hRPC.1028_K_7, complete sequence.
AC004585
g3212882
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484 GICCACITITIGCAAGCICATCITIGCCAICIACAAGAIGAGCIICITCAGIGGCAIGCIC 543
                                                                        TTCCTCCTGACCCTTCCCTTCTGGGCCTACAGCGCGGCCAA--GTCC-TGGGTCTTCGGT 483
                                                                                                                 256 TITGIICITACICICCCATICIGGCCAGIGAGICAIGCCACIGGIGCGIGGGIITICAGC 315
                                                                                                                                                                                                             316 AATGCCACGTGCAAGTTGCTAAAAGGCATCTATGCCATCAACTTTAACTGCGGGATGCTG 375
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Location/Qualifiers
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Length 2577;

DB 20;

Score 64;

5.78;

Query Match

ORIGIN

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                                                                                                          . .18849
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Note: remainder of annotations omitted

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CAVSTNIDICFQVTQTIAFFHSCLNPVLXVFVGERFRRDLVKTLKNLGCISQAQWYSF Direct Submission
Submitted (16-JAN-1996) Tom I. Bonner, Lab of Cell Biology, NIMH,
Bldg 36, Rm 3A-17, MSC 4090, Bethesda, MD 20892-4090, USA
Location/Qualifiers
1. 2577 50485 50309 AAGAAGCICAICIIGIAGAIGGCAAAGAIGAGCIIGCAAAAGIGGACACCGAAGACCCCAG 50368 GTCAACACGACCAGCCCATTGCCCAGTAGGCCCACGAAACAAATGATGGAGTACATGATA 50545 Homo sapiens
Eukaryotae; mitochondrial eukaryotes; Metazoa; Chordata;
Vertebrata; Eutheria; Primates; Catarrhini; Hominidae; Homo.
1 (bases 1 to 2577)
Lautens, L.L., Tiffany, H.L., Gao, J.-L., Modi, W., Murphy, P.M. and 183 362 TTAAAGTTGATGGCATAGATGCCTTTTAGCAACTTGCACGTGGCATTGCTGAAAACCCAC 303 302 GCACCAGTGGCATGACTCACTGCCCAGAATGGGAGAGTAAGAACAAAGAGGATGTCTGCA 243 Bonner,T.I. Cloning, Tissue Distribution and Chromosomal Localization of potential G-Protein-Linked Chemokine Receptors HSU45982 2577 bp DNA PRI 02-APR-199 Human G protein-coupled receptor GPR-9-6 gene, complete cds. U45982 50369 G-ACTTG-GCCGCG-CTGTAGGCCCAGAAGGGAAGGGGAGGAAGAGGATGTCTGCC 50426 ACCGCCAGGTTGAGCAGGTAGGTATCGGTCATGGTCTTGAGCCTCTTGAAATAGATATAG 4 Length 133801; 50546 GGGAGGAACCAGGCTTTA-AAGTTCCGCACGTCCTTCTTGGAGCACA 50591 Score 75; DB 21; Length 133 Pred. No. 1.42e-39; 0; Mismatches 122; Indels 122 CGGTACAAATAGCCTGGAGAACTGCCTGACCTCGCTGCAAGGAGCACA 76 /note="G protein-coupled receptor" /organism="Homo sapiens" /db_xref="taxon:9606" /product="GPR-9-6" /db_xref="PID:q1245055" TRREGSLKLSSMLLETTSGALSL 613 c 574 g 7 /map="3p21.3-22" 58. .1131 /codon_start=1 /chromosome="3 Query Match 6.7%; Best Local Similarity 63.7%; Matches 221; Conservative (bases 1 to 2577) Unpublished q1245054 Bonner, T 628 human. 12 LOCUS DEFINITION ORGANISM BASE COUNT JOURNAL REFERENCE 50486 ACCESSION REFERENCE AUTHORS AUTHORS JOURNAL KEYWORDS SOURCE FEATURES CDS TITLE TITLE RESULT 셤 Сp g Сp 셤 Cp g S 셤 G,

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topology: Linear;
hypothetical: No;
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Neote, K., DiGregorio, D., Mak, J.Y., Horuk, R. and Schall, T.J. Molecular cloning, functional expression, and signaling characteristics of a C-C chemokine receptor close (cell 72 (3), 415-425 (1993)
                                                                                        CCCTTCTGGGCCATT-G-C-TGCTGCTGACCAGTGGAAGTTCCAGACCTTCATGTGCAAG
                                                                                                                                                                                                          562 ATCCCAGAAATCTTATACAGCCAAATCAAGGAGGAATCCGGCATTGCTATCTGCACCATG
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              Indels
Pred. No. 3.27e-30;
0; Mismatches 235;
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Homo sapiens
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JP 1997176048-A/1
08-JUL-1997
28-DEC-1995 JP 1995342130
HONDA SUSUMU, FUJISAWA TOMOYUKI
A61K45/00, A61K45/00, A61K45/00, A61K45/00, A61K45/00,
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      CIGCICITCCIGITCACGCTICCCTICIGGAICGACTACAAGTIGAAGGAIGACTGGGTI 300
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          301 TITGGTGATGCCAIGTGTAAGATCCTCTGGGTTTTATTACACAGGCTTGTACAGCGAG 350
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              190 TITATAAGAAGGCCAGGTCTATGACAGACGTCTATCTCTTGAACATGGCCATTGCAGAC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       181 CAATACAAGAGGCTAAAAAACATGACCAGCATCTACCTCCTGAACCTGGCCATTTCTGAC
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Pred. No. 1.04e-27;
0; Mismatches 116; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     human MIP-1 alpha /RANTES receptor
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/cell_line='0937'
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Primates; Catarrhini; Hominidae; Homo.
1 (bases 1 to 1609)
Honda, S. and Fujisawa, T. .
PRODUCTION OF HUMAN MIP-1ALPHA/PANTES
PATENT: JP 19971/56048-A 1 08-JUL-1997;
TAKEDA CHEM IND LIP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       strandedness: Double;
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1 (bases 1 to 2072)
Schweickart, V.L., Raport, C.J., Godiska, R., Byers, M.G., Eddy, R.L.
Jr., Shows, T.B. and Gray, P.W.
Cloning of human and mouse EBI1, a lymphoid-specific
G-protein-coupled receptor encoded on human chromosome 17q12-q21.2
Genomics 23 (3), 643-650 (1994)
/clone='pcCR'
115. .1182
/product='human MIP-1 alpha /RANTES receptor'
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Vertebrata; Eutheria; Rodentia; Sciurognathi; Myomorpha; Muridae;
                                                                                                                                                                                                                                                                                                                                                 130 TACTCCTTGATCTGTTCTTGGCCTCCTGGGGAATATTCTGGTGGTGATCACCTTTGCT 189
                                                                                                                                                                                                                                                                                                                                                                                                                    190 TITIATAAGAAGGCCAGGICTATGACAGACGTCTATCTTGAACATGGCCATTGCAGAC 249
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TITGGTGATGCCATGTGTAAGATCCTCTGGGTTTTATTACACAGGCTTGTACAGGGAG 474
                                                                                                                                                                                                                                                                                                                                                                                            295 CAATACAAGAGGCTAAAAAACATGACCAGCATCTACCTCCTGAACCTGGCCATTTCTGAC 354
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   MUSEBIICDN 2072 bp mRNA ROD 10-AUG-1995
Mouse G protein-coupled receptor (EBI 1) mRNA, complete cds.
L31580 L31501
                                                                                                                                                                                                                                                                              Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                G protein-coupled receptor.
Mus musculus (strain B6/CBAF1J) (library: Stratagene #935303)
female 6-8 weeks thymus cDNA to mRNA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                       355 CIGCICITCCIGITCACGCIICCCTICTGGAICGACIACAAGIIGAAGGAIGACIGGGII
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                                                                                                                                                                                                                                       Length 1609;
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/tissue_lib="Stratagene #935303"
                                                                                                                                                                                                                                 Score 61; DB 17;
Pred. No. 1.04e-27;
                                                                                                                                                                            422
                                                                                                                                /organism="Homo sapiens"
/db_xref="taxon:9606"
1 416 c 385 g 42:
                                                        R 1..114
R 1183..1609.
Location/Qualifiers
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/organism="Mus musculus"
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/db_xref="taxon:10090"
/dev_stage="6-8 weeks"
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Best Local Similarity 60.4%;
Matches 177; Conservative
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                                                                                               FEATURES
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/db_xref="PID:g468341"
//tb_xref="PID:g468341"
//tbanslation="mdpgfrrrnuvvallvifqvcfcqdbgvtddyiggenttvdytly
SSYCFREDVRRFRAMFDFYLLNLAN
ADILFILILPFWAYSEARSWIFGVYLCRGIFGIYKLSFFSGMLLLLCISIDRYVAIVQ
                                                                                 AVSRHRHRARVILISKLSCVGTWALALFISIPELLYSGLÖKNSGEDTLRCSLVSAOVE
ALITIOVAQMVFGFLVPMLAMSFCYLIIIRTLLQARNFERNKAIKVIIAVVVVFIVFO
LPYNGVVLAQTVANFNITNSSCETSKOLNIAYDVTYSLASVRCCVNPFLYAFIGVKFR
SDLFKLFKDLGCLSQERLRHWSSCRHVRNASVSMEAETTTTFSP"
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                                                                                                                                                                                                                                                                                                                                         Length 2072;
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                                                                                                                                                                                                                                                                                                                                       Score 62; DB 22; Length 207
Pred. No. 1.54e-28;
0; Mismatches 105; Indels
                                                                                                                                                                                                                                                                        477
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2072
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Best Local Similarity 63.1%;
Matches 185; Conservative
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 n.a. database search, using Smith-Waterman algorithm n.a. MPsrch_nn Sat Nov 14 00:17:57 1998; MasPar time 167.79 Seconds 907.323 Million cell updates/sec Run on:

Tabular output not generated.

>US-08-887-977-9 (1-1119) from US08887977.seq 1119 Perfect Score: Description: Title:

1 ATGITITCGACTCCAGTGAA......AGAAAGCTGAGTCTCCCTAA 1119
TACAAAAGCTGAGGTCACTT.....TCTTTCGACTCAGAGGGATT N.A. Sequence: Comp:

TABLE default Gap 6 Scoring table:

Dbase 0; Query 0 STD : Nmatch 188442 seqs, 68026449 bases x 2 Searched:

Post-processing:

Minimum Match 0% Listing first 45 summaries

Database:

| Spart1 2:part2 3:part3 4:part4 5:part5 6:part6 7:part7 |
| 8:part8 9:part9 10:part10 11:part11 12:part12 13:part13 |
| 4:part14 15:part15 16:part16 17:part11 18:part18 |
| 9:part19 20:part20 21:part21 22:part22 23:part23 |
| 24:part24 25:part25 26:part26 27:part27 28:part28 |
| 34:part34 35:part35 36:part31 32:part32 33:part33 |
| 9:part39 40:part40 | n-geneseq32

Mean 9.061; Variance 4.959; scale 1.827 Statistics:

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

		Pred. No.	0.00e+00	3.74e-34	3.74e-34	3.74e-34	3.74e-34	1.99e-24	1.99e-24	1.99e-24	4.11e-25	1.05e-21	1.05e-21	2.33e-20	2.33e-20
		Description	Human dendritic cell	Partial coding sequen	Putative seven transm	Epstein Barr virus in	Putative seven transm	Human MIP-lalpha/RANT	C-C chemokine recepto	Human MIP-1 alpha/RAN	Seven transmembrane r	Recombinant high affi	Sequence encoding a h	Human CCKR3 chemokine	CC-chemokine receptor
SUMMARIES		ID	V15418	966162	266153	064125	066160	T86154	062695	T90384	066164	099949	030011	T79096	T31336
		DB	40	11	11	1	11	33	11	34	11	11	'n	36	23
		Query Match Length DB	1119	1900	2058	2154	2160	1065	1495	2156	2751	1200	1200	1071	1116
	dР	Query Match	99.9	6.7	6.7	6.7	6.7	5.5	5.5	5.5	5.5	5.1	5.1	4.9	4.9
		Score	1118	75	75	75	75	61	61	61	62	57	57	52	52
		Result No.	; ;	7	m	4	'n	ω	7	∞	6	10	11	12	13

.33e-2 .33e-2	.336-2 .096-1	.09e-1 .28e-1 .28e-1 .28e-1	9886	.03e-1 .08e-1 .22e-1	22e- 06e- 77e- 77e-	.77e-1 .31e-1 .41e-1 .41e-1 .95e-1
CC-chemokine receptor Human C-C chemokine r CC-chemokine receptor Human chemokine receptor	eosinophil monocyte ch monocyte ch	Human monocyte chemoa Recombinant high affi Recombinant high affi Chemokine receptor KS	Interleukin 8 recepto Interleukin-8 recepto Interleukin-8 recepto Seven transmembrane r	even transmembra equence encoding equence encoding uman IL-8 recept	leukin 8 recept G-protein rece binant high aff transmembrane kine superfamil	let factor coyte PF4AR tituted E.c matostatin in 8 (IL-8) hemokine ed on angio receptor c
T31335 T58783 T31334 T85162	T93601 T96976 Q96298	096297 099950 099951 135277	Q99006 Q80520 Q29505 O66170	Q66167 Q30013 Q30012 Q38747	Q99008 Q99952 Q66179 Q99007	950 052 052 052 391 038 527
32 33 34 34 34	1223	17 17 23	17 13 11	11259	17 17 11 11	13 11 11 23 23
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14 15 17	100	7335	225 24 24 25	30 31 32 32	334 34 37 37	38 39 44 44 54 34 34 34

ALIGNMENTS

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Novel chemokines, e.g. thymus expressed chemokine - used for treating inflammatory conditions including asthma.
Claim 5; Rage 92-94; 202pp; English.

The present sequence encodes a human dendritic cell chemokine receptor. Antibodies which blind to the protein can be used in detecting or diagnosing various immunological conditions related to expression of the protein. The nucleic acid can be used for screening and isolating DNA clones for the chemokines, especially from other species. The chemokine can be used in the treatment of conditions associated with abnormal physiology or development, including
                                                                                                                                                                                                                                             /*tag= b
/note= "encodes His or Gln, but is stated as Gln in
the protein (shown in W48086)"
                                               11-JUN-1998 (first entry)

Human dendritic cell chemokine receptor encoding cDNA.

Human; thymus expressed chemokine; TECK; MIP-3alpha; MIP-3beta; receptor; dendritic cell; macrophage; inflammation; asthma; ss.

Homo sapiens.
                                                                                                                                                                           /product= "DC CR"
/note= "dendritic cell chemokine receptor"
577..579
                                                                                                                                                                                                                                                                                                            15-JAN-1998.

02-JUL-1997; UT0819.

04-JUN-1997; US-048593.

05-JUL-1996; US-075814.

11-OCT-1996; US-028329.

(SCHE) SCHERING CORP.

GISH KC, Schall TJ, Vicari A, Wang W, Zlotnik A;

WPI: 98-101054/09.
                                                                                                                                            Location/Qualifiers
1..1098
/*tag= a
LT 1
VI5418 standard; CDNA; 1119 BP.
VI5418;
                                                                                                                                                                                                                                 unsure
                RESULT
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Productions are as therapeutic or diagnostic agents for conditions prods. for use as therapeutic or diagnostic agents for conditions involving the receptors.

Frample 3; Page 54-56; 100pp; English.

Example 3; Page 54-56; 100pp; English.

Two primers (066148, 066149) were used to amplify human genomic DNA purified from leukocytes. Approximately 1000 clones were isolated after the initial amplification reation and probed with sequences of the initial amplification reation and probed with sequences of specific for seven transmembrane receptors IDRR1, AT2R and R20.

Clones which did not hybridise were then chosen for sequence analysis. Three new clones were then chosen for sequence analysis. Three new clones were then chosen for sequence of seven transmembrane receptor segments. Two more primers (066151, 066152), were used to isolate a full length version of one of these clones designated V31 (See 066153). This is the sequence of exon 3 of the V31 genomic clone (along with partial intron sequences) and is the final exon of the clone. The TAG stop codon is found at costiling 1343-1245 of the sequence.
                           ATCTTGAAGGACCTGTGTGTGTGTAAGGAAGTACAAGTCCTCAGGCTTCTCCTGTGCC 1020
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      tgtgctccaagaaggacgtgcggaactt-taaagcctggttcctccctatcatgtactcc 306
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                                                                                                                                                                                                  Partial coding sequence of seven transmembrane receptor (V31). Primer; seven transmembrane receptor; receptor; amplification; PCR; polymerase chain reaction; ss. Homo sapiens.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TGTGCTCCTTGCAGGAGGTCAGGCAGTTCTCCAGGCTATTTGTACCGAATTGCCTACTCC
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                                                                              17-NOV-1992; US-977452.
(ICOS-) ICOS CORP.
GOGISKA R, GTAY PW, Schweickart VL;
WPI; 94-200264/24.
                                                                                                                                                                                                                                                      Location/Qualifiers
                                                                                                                                                             BP
                                                                                                                                                                                                                                                                   1..168
/*tag= a
169..1245
/*tag= b
1246..1900
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17-NOV-1993; U11153
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                                         Length 1119
                                                                 1; Indels
             ö
                                      Score 1118; DB 40;
Pred. No. 0.00e+00;
             257
                                                                 0; Mismatches
            268 C;
inflammatory conditions such as asthma Sequence 1119 BP; 261 A; 268 C;
            261 A;
                                     Query Match
Best Local Similarity 99.9%;
Matches 1118; Conservative
             Sequence
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Birkenbach M. Kieff E;

Birkenbach M. Kieff E;

NPI; 94-200183/24.

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READ FROM READ FRO
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       196 AAGAAGGCCAGGTCTATGACAGACGTCTATCTCTTGAACATGGCCATTGCAGACATCCTC 255
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                                                                                                                                                                                                                                                                                      /*tag= a
/product= Epstein Barr virus induced polypeptide.
                                                                 Epstein Barr virus induced (EBI-1) gene.
Epstein Barr virus; EBV; induction; detection; diagnosis;
lymphocytes; autigen; growth; differentiation; mediator;
infectious mononucleosis; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            0; Mismatches 122; Indels
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                                                                                                                                                                                                                           Location/Qualifiers
64..1200
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                                                                                                                                                                                                                                                                                                                                                                                                               08-OCT-1993; U09636.
25-NOV-1992; US-980518.
(BGHM ) BRIGHAM & WOMENS HOSPITAL.
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Homo sapiens.
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Similarity 63.7%;
                                (first entry)
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Best Local Similarity 63.7%;
Matches 221; Conservative
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/*tag= a
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                                03-FEB-1995
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      DNA encoding seven trans:membrane receptors - used to develop prods. for use as therapeutic or diagnostic agents for conditions involving the receptors:

Example 2: Page 44-46; 100pp; English.

Example 2: Page 44-46; 100pp; English.

Two primers (Q66148, Q66149) were used to amplify human genomic DNA purified from leukocytes. Approximately 1000 clones were isolated after the initial amplification reation and probed with sequence specific for seven transmembrane receptors IBBR1, AT2R and R20. Clones which did not hybridise were then chosen for sequence analysis. Three new clones were then chosen for sequence coven transmembrane receptor segments. Two more primers (Q66151, Q66152, were used to isolate a full length version of one of these clones (this sequence) which was designated V31.

Sequence 2058 BP; 472 A; 632 C; 504 G; 448 T;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             401 tgtgctccaagaaggacgtgcggaactt-taaagcctggttcctccctatcatgtactcc 459
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               tteeteetgaeeetteeettetgggeetaeagegeggeeaa--gtee-tgggtetteggt 636
316 AATGCCACGTGCAAGTTGCTAAAAGGCATCTATGCCATCAACTTTAACTGCGGGATGCTG 375
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TGTGCTCCTTGCAGGAGGTCAGGCAGTTCTCCAGGCTATTTGTACCGAATTGCCTACTCC 135
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   520 aagaggeteaagaceatgacegatacetacetgeteaacetggeggtggeagacateete 579
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 AAGAAGGCCAGGTCTATGACAGACGTCTATGTTGAACATGGCCATTGCAGACATCCTC 255
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   gtccacttttgcaagctcatctttgccatctacaagatgagcttcttcagtggcatgctc 696
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Gaps
                                                                                                                                                                                                                                                                                                                                                 Putative seven transmembrane receptor (V31) coding sequence.
Primer; seven transmembrane receptor; receptor; amplification; PCR;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  4;
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/product= V31 putative transmembrane receptor
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Best Local Similarity 63.7%; Pred. No. 3.74e-34;
Matches 221; Conservative 0; Mismatches 122; Indels
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                                                                                                                         376 CICCIGACTIGCATTAGCAIGGACCGGIACAICGCCATIGIACAGGC 422
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17-NOV-1992; US-977452.
(ICOS-) ICOS CORP.
Godiska R, Gray PW, Schweickart VL;
P-PSDB; R53743.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                  polymerase chain reaction; ss.
                                                                                                                                                                                                                           IT 3
Q66153 standard; DNA; 2058 BP
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02-FEB-1995 (first entry)
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     treatment of viral diseases, tumours, allergy, diabetes
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                                 osteoporosis etc
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20-NOV-1997 (first entry)
20-NOV-1997 (first entry)
Human MIP-lalpha/RANTES receptor protein coding sequence.
Human MIP-lalpha/RANTES receptor; osteoporosis; pCCR; digestive ulcer;
Human MIP-lalpha/RANTES receptor; osteoporosis; pCCR; digestive ulcer;
macrophage inflammatory protein 1 alpha; diabetes; central disease;
regulated on activation, normal T cell expressed and secreted; allergy;
affinity compound; expression vector; CHO cell; viral disease;
infectious disease; tumour; hyperlipidaemia; hypercholesterolaemia; ss.
                                                                                                                                                                                                                 DIA encoding seven trans:membrane receptors - used to develop prods. for use as therapeutic or diagnostic agents for conditions involving the receptors.

Example 3: Page 49-51: 100pp; English.

A human cDNA encoding the seven transmembrane receptor V31 was isolated by first amplifying a partial cDNA clone from a human tonsil cDNA library using two primers (066154, 066155). The resulting amplified products were probed using two radioactively labelled sequences (266156, 266157). A hybridising band was isolated from the gel and cloned. The resulting clone was named pV31-5° end (266158). A full length cDNA clone was isolated from a peripheral blood mononuclear cell library using V31 specific primers (266159, 266152). Clone PBMC75 was isolated and the V31 cDNA insert in the clone was
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 tteeteetgaecetteeettetgggeetacagegggeeaa--gtee-tgggtetteggt 438
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    203 tgtgctccaagaaggacgtgcggaactt-taaagcctggttcctccctatcatgtactcc 261
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       262 atcatttgtttcgtgggcctactgggcatgggctggtcgtgttgacctatatctattc 321
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         136 ITGAICTGTGTTCTTGGCCTCCTGGGGAATATTCTGGTGGTGATCACCTTTGCTTTTAT 195
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             aagaggetcaagaccatgaccgatacctacctgetcaacctggcggtggcagacatecte 381
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Preparation of human MIP-1-alpha/RANTES receptor protein - used
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             4;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Match 6.7%; Score 75; DB 11; Length 2160; Local Similarity 63.7%; Pred. No. 3.74e-34; Local 221; Conservative 0; Mismatches 122; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       479 T;
     /product= Seven transmembrane receptor V31
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       546 G;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       645 C;
                                                                                                                                               Godiska R, Gray PW, Schweickart VL;
WPI; 94-200264/24.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  designated cDNA V31-B (Q66160).
Sequence 2160 BP; 490 A;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    T86154 standard; cDNA; 1065 BP
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28-DEC-1995; JP-342130.
(TAKE) TAKEDA CHEM IND LTD.
WPI: 97-399449/37.
                                                                      17-NOV-1993; U11153.
17-NOV-1992; US-977452.
(ICOS-) ICOS CORP.
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Claim 6; Page 15; 19pp; Japanese.

This sequence encodes human MIP-1 alpha/RANTES receptor (macrophage inflammatory protein 1 alpha/regulated on activation, normal 1 cell expressed and secreted). The human MIP-1 alpha/RANTES receptor protein may be used in a method for the screening of human MIP-1 alpha/RANTES receptor protein used to raffinity compounds. The MIP-1 alpha/RANTES receptor coding sequence may be included in an expression vector, preferably pcCR, and used to transform a CHO cell for use in the same method. The receptor protein can provide a preventive and treating agent for viral diseases, infectious diseases, tumours, allergy, diabetes, central diseases, hyperlipidaemia, hyperlipidaemia, osteoporosis, digestive ulcers,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Thorux R, Nacte K, Schall T;

R WPI: 94-183505/22.

R PPSDB: R32749.

P-PSDB: R32749.

Total III diagnosis and therapy of inflammation and other prods. for use in diagnosis and therapy of inflammation and other or cytokine-mediated disorders

Totokine-mediated disorders

Totokine is that of the C-C chemokine receptor gene which was isolated by PCR from PMA treated Hi60 cells using PCR primers whose sequence was designed to correspond to conserved sequences in two transmembrane regions of known cytokine receptors. The sequence can be used in therapeutic or diagnostic compsns. for inflammation and other cytokine mediated disorders.

Sequence 1495 BP; 348 A; 389 C; 361 G; 397 T;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   121 tactcettggtatttgtcattggcctggttggaaacatcctggtggtgtcctggtccttgtg 180
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Gaps
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                   5.5%; Score 61; DB 33; Length 1065; 60.4%; Pred. No. 1.99e-24; vative 0; Mismatches 116; Indels
                                                                                                                                                                                                                                                                                                                                                                                                      300 T;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             361 atctttttcatcatcctgctgacgattgacaggtacctggccatcgtccacgc
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                                                                                                                                                                                                                                                                                                                                                                                                          253 G;
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                                                                                                                                                                                                                                                                                                                                                                                                          284 C;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        C-C chemokine receptor DNA.
C-C CKR-1; cytokine; inflammation; ds.
Homo sapiens.
W09411504-A.
                                                                                                                                                                                                                                                                                                                                                                                                   228 A;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                BP.
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Local Similarity 60.4%;
Les 177; Conservative
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Q62695;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Local Similarity 60.4% tes 177; Conservative
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04-NOV-1993; U10672.
10-NOV-1992; US-974025.
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Mus musculus.
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WP 197 192945/36.

R PPSDB: W26588.

MPF-1-alpha and RANTES receptor nucleic acid - used to develop

T products for the detection of these cytokine(s) and their receptors,

T products for the detection of these cytokine(s) and their receptors,

T products for the detection of these cytokine(s) and their receptors.

T particularly in inflammatory processes

C claim 1. Collumn 11-16; 12pp; English.

This nucleic acid sequence encodes a claimed receptor for marcophage

Inflammatory protein-1 alpha (MIP-1 alpha) and regulated upon

C claimed are: (1) a subsequence of the nucleic acid, having at least

12 contiguous nucleotides; (2) a cell transformed or transfected

With the nucleic acid; and (3) purified MIP-1 alpha/RANTES receptor

C polypeptide. The products can be used for detecting the MIP-1

C alpha/RANTES receptor and polymorphisms in physiological samples.

In addition, the receptor can be expressed and used to assay for

C miP-1a/RANTES is useful for monitoring the levels of these cytokines

C alpha/RANTES is useful for monitoring the levels of collowing the matri-

C in a patient. Such measurements are useful in following the matri-

C in a patient. Such measurements are useful in following the matri-

C in a patient of Anne and are useful in following the matri-

C in a patient.
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                        130 TACTCCTTGAICTGTGTTCTTGGCCTCCTGGGGAATATTCTGGTGGTGATCACCTTTGCT 189
                                                                                240
                                                                                                                                                                                      300
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   130 TACTCCTTGATCTGTGTTCTTGGCCTCCTGGGGAATATTCTGGTGGTGATCACCTTTGCT 189
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            190 TITIATAAGAAGGCCAGGICTAIGACAGACGICTATCITIGAACAIGGCCAIIGCAGAC 249
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   303 ctgctcttcctgttcacgcttcccttctggatcgactacaagttgaaggatgactgggtt 362
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   new anti-
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                                                                                                                                 190 ITITATAAGAAGGCCAGGTCTATGACAGACGTCTATCTCTTGAACATGGCCATTGCAGAC
                                                                                                                                                                                   241 ctgctcctcctgttcacgcttcccttctggatcgactacaagttgaaggatgactgggtt
                                                                                                                                                                                                                                          250 ATCCTCTTTGTTCTTACTCTCCCATTCTGGGCAGTGAGTCATGCCACTGGTGCTGGTG
                                                                                                                                                                                                                                                                                            301 tttggtgatgccatgtgtaagatcctctgtggttttattacacaggcttgtacagcgag
                                                                                                                                                                                                                                                                                                                                                   310 TTCAGCAATGCCACGTGCAAGTTGCTAAAAGGCATCTATGCCATCAACTTTAACTGCGGG
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                                                                                  caatacaagaggctaaaaaacatgaccagcatctacctcctgaacctggccatttctgac
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Human MIP-1 alpha/RANTES_receptor gene.
Macrophage inflammatory protein-1 alpha;
reduced upon activation normal T expressed and secreted; RANTES;
receptor; cytokine; antiinflammatory; inflammation; human; ss.
                                                                                                                                                                                                                                                                                                                                                                                                  ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  in a patient. Such measurements are userul in LOLLOWING LINGLIAN inflammatory effects of drugs and prospective usefulness of
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Score 61; DB 34; Length 2156;
Pred. No. 1.99e-24;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     567 T;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             0; Mismatches 116; Indels
504 G;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              (USSH ) US DEPT HEALTH & HUMAN SERVICES MULPHY PM.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     547 C;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Location/Qualifiers
63..1130
538 A;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  T90384 standard; DNA; 2156 BP
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Matches 177; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      21-JAN-1998 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        /*tag=
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 28-JAN-1993; US-012988.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         inflammatory agents.
Sequence 2156 BP;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       29-JUL-1997.
28-JAN-1993; 012988.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Homo sapiens
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prods. for use as therapeutic or diagnostic agents for conditions involving the receptors.

Example 5; Page 58-60; 100pp; English.

Example 5; Page 58-60; 100pp; English.

Two primers (Q66148), Q66149) were used to amplify human genomic DNA purified from leukocytes. Approximately 1000 clones were isolated at fart the initial amplification reation and probed with sequences specific for seven transmembrane receptors ILBRI, AT2R and R20.

Clones which did not hybridise were then chosen for sequence analysis. Three new clones were identified that appeared to encode seven transmembrane receptor segments. Two more primers (Q6615), Q6615) were used to isolate a full length version of one of the human V31 clone (See Q66153). A fragment of the human clone was used to isolate this V31 genomic clone of the mouse from a library.

Sequence 2751 BP; 651 A; 747 C; 684 G; 669 T;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       03-FEB-1995 (first entry)
Seven transmembrane receptor (V31) coding sequence.
Primer; seven transmembrane receptor; receptor; amplification; PCR;
250 ATCCTCTTTGTTCTTACTCTCCCATTCTGGGCAGTGAGTCATGCCACTGGTGGGTTT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      884 tatticaagaggetcaagaccatgacggatacetacetgetcaacetggeegtggeagae
                                                                                                             tttggtgatgccatgtgtaagatcctctctgggttttattacacaggcttgtacagcgag
                                                                                                                                                                                   310 ITCAGCAATGCCACGTGCAAGTTGCTAAAAGGCATCTATGCCATCAACTTTAACTGCGGG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         190 ITTTATAAGAAGGCCAGGTCTATGACAGACGTCTATCTTTGAACATGGCCATTGCAGAC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           DNA encoding seven trans:membrane receptors - used to develop prods. for use as therapeutic or diagnostic agents for conditions \ensuremath{\mathsf{E}}
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    130 TACTCCTTGATCTGTGTTCTTGGCCTCCTGGGGAATATTCTGGTGGTGATCACCTTTGCT
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                                                                                                                                                                                                                                                        423 atctttttcatcatcctgctgacgattgacaggtacctggccatcgtccacgc 475
                                                                                                                                                                                                                                                                                                                          370 ATGCTGCTCCTGACTTGCATTAGCATGGACCGGTACATCGCCATTGTACAGGC 422
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              09-JUN-1993; U11153.
17-NOV-1993; U11153.
17-NOV-1992; US-977452.
(ICOS-) ICOS CORP.
Godiska R, Gray PW, Schweickart VL;
WPI; 94-200264/24.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                 n 9
Q66164 standard; DNA; 2751 BP.
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692..171
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2341..2348
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WO9721812-A2
19-JUN-1997.
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                                                                                            29-0CT-1992
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                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match
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Matches
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                                                                                                                                                                                                                                                                                                                                                                Monoclonal antibody against recombinant IL-8 receptor polypeptide -
weful for treating inflammatory disorders, for detecting
neutrophil(s) and for isolating IL-8 receptor from liq.mixt.

Taim 2; Fig 1A-B; 74pp; English.

Monoclonal antibodies were raised against recombinant interleukin-8

(IL-8) receptor subtypes A and B from both human and rabbit sources

(R09950-53 encoded by 09949-52). The A subtype receptor (IL-8rb) is a

a high affinity receptor and the B subtype receptor (IL-8rb) is a

low affinity receptor. The monoclonal antibody (mAb) pref. binds to

the IL-8 binding domain thus blocking its activation. The mAbs are

useful for treating inflammatory disorders (see key words) and for

detecting the presence of neutrophils in a biological sample. The

mAbs are also useful in the isolation of IL-8 receptors from a mixture.

Squence 1200 BP; 234 A; 366 C; 295 G;
                                                                                            DNA.
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                                                                          24-APR-1996 (first entry)
Recombinant high affinity interleukin-8 receptor subtype A encoding
                                                                                                   II-8A; IL-8B; receptor; monoclonal antibody; inflammatory disorder; anaphylaxis; systemic lupus erythematosus; rheumatoid arthritis; systemic necrotising vasculitis; psoriasis; asthma; allergy; ARDS; adult respiratory distress syndrome; neutrophil detection; ss.
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Sequence encoding a high affinity recombinant rabbit interleukin-8
370 AIGCIGCICCIGACTIGCATTAGCATGGACCGGTACATCGCCATTGTACAGGC 422
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Match 5.1%; Score 57; DB 17; Length 1200; Local Similarity 62.1%; Pred. No. 1.05e-21; les 185; Conservative 0; Mismatches 110; Indels
                                                                                                                                                                                                                                                                                                                     Thomas KM;
                                                                                                                                                                                                             /product IL-8A_receptor
                                                                                                                                                                                                                                                                                                                  Greenfield EA, Larosa GJ, Navarro J,
                                                                                                                                                                       Location/Qualifiers
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                                                   standard; DNA; 1200 BP.
                                                                                                                                                                                   108.1175
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15-MAR-1994; US-210250
                                                                                                                                                                                                                                                                                        (REPK ) REPLIGEN CORP. (UYBO-) UNIV BOSTON.
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                                                                                                                                                        Oryctolagus cuniculus.
Key
Locati
cds 108.1
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Q99949;
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WPI; 95-
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Recombinant mammalian interleukin-8 receptor - used for screening interleukin-8 bliding antagonists, used to treat inflammation Disclosure; Fig 1; 71pp; English.

Rabbit high affinity IL.8 receptor gene was isolated from rabbit Rabbit high affinity IL.8 receptor gene was isolated from rabbit produce a rabbit neutrophils and used as a source of poly(A)+ RNA, to produce a rabbit neutrophil cDNA library. 250,000 recombinant plaques were screened for those which hybridized to an antisense oligonuclectide (Q30015). This probe was designed based on the sequence derived from the second transmembrane domain of G-protein-coupled receptors. After terrilary screening, six plaques were isolated. The insert of one of these plaques, termed F3R was of 2.5 kb in size. This insert was sequenced. The protein deduced from the F3R clone demonstrates that it belongs to the family of G-protein-coupled receptors. The deduced protein sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Human CCKR3 chemokine receptor coding sequence.
CCF18 chemokine; mouse; primer; PCR; amplification; antagonist; human;
abnormal physiology; development; anti-viral; probe; hybridisation; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ctatgccctggtcttcctgctgagcctgctgggcaactccctggtgatgctggtcatact 316
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Pred. No. 1.05e-21;
0; Mismatches 110; Indels
                                    SS
                          iL-8 receptor polypeptide; G-protein-coupled receptor;
Oryctolagus cuniculus.
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/product= CCKR3 chemokine receptor
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              indicates seven putatuve transmembrane segments.
Sequence 1200 BP; 234 A; 366 C; 294 G
                                                                            Location/Qualifiers 108..1172
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1.1071
(IL-8) receptor polypeptide in F3R.
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T79096 standard; cDNA; 1071 BP.
T79096;
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WPI; 92-382123/46.
P-PSDB; R28272.
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Conservative
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                                                                                                                                                                                                                                                    U02977.
US-685101.
US-726606.
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nes 185; Conser
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10-APR-1991; U
09-JUL-1991; U
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This is the nucleotide sequence encoding a novel CCKR3 chemokine receptor isolated from a Th0-activated human T-cell cDNA library using the sequence amplified by primers T79097 and T79098 as a probe. The encoded protein can be used to screen for (ant)agonists that bind are useful in the treatment of conditions associated with abnormal physiology or development.

Sequence 1071 BP; 231 A; 292 C; 242 G; 306 T;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           130 TACTCCTTGATCTGTGTTCTTGGCCTCCTGGGGAATATTCTGGTGGTGATCACCTTTGCT 189
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           181 aaatacaggaggeteegaattatgaccaacatetaeetgeteaaeetggeeattteggae 240
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       190 TITATAAABAGGCCAGGTCTATGACAGACGTCTATCTTGAACATGGCCATTGCAGAC 249
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Claim 1: Page 114-115: 153pp; English.
A consensus DNA sequence (731336) codes for a novel human receptor (W03378), designated Eos L2 or C-C chemokine receptor 2 (CKR-3). It was deduced by comparing a genomic clone (731334) and a cDNA clone (731335) coding for CKR-3 proteins (W03376 and W03377) having slightly different sequences. Initial sequence information revealed
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match 4.9%; Score 55; DB 36; Length 1071; Best Local Similarity 59.4%; Pred. No. 2.33e-20; Matches 174; Conservative 0; Mismatches 119; Indels (
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                                                                         Schall
                    08-DEC-1995; US-567882.
(SCHE ) SCHERING CORP.
Dairaghi DJ, Hara T, Miyajima A,
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19-JAN-1995; US-375199.
                                                                                                                  WPI; 97-332784/30.
P-PSDB; W25943.
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W09622371-A2.
25-JUL-1996.
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P-PSDB; W03378
                                                                                             Yoshimura A;
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                                                                                                                                                                                                                                                                                                                                                                                                                       130 TACTCCTTGATCTGTGTTCTTGGCCTCCTGGGGAATATTCTGGTGGTGATCACCTTTGCT 189
2 regions in which the cDNA sequence appeared to be shifted in frame, resulting in 2 sets of 4 contiguous amino acid differences in the predicted proteins. Further sequence analysis revealed only a single difference between the 2 open reading frames, the genomic clone coding for threonine at position 276 and the CDNA clone for serine.
                                                                                                                                                                                                                                                                                                                 Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Marmalian chemokine receptor-3 and related nucleic acids - useful tidentify receptor inhibitors to treat inflammatory disease, e.g. autoimmune disorders, certain cancers, etc.
Claim 1; Page 111-113; 153pp; English.
A genomic DNA clone (731335) codes for a novel receptor (W03377), designated Eos L2 or C-C chemokine receptor 3 (CKR-3), involved in leukocyte migration associated with inflammation. It was isolated from a human library constructed from eosinophils obtd. from a patient with hyper-eosinophils syndrome using a probe (p4 cDNA) encoding the MIP-lalpha/RANTES receptor. A CKR-3 genomic clone (731334) was also isolated, and a consensus sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                195 aaatacaggaggeteegaattatgaecaacatetaeetgeteaaeetggeeattteggae
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       190 TITATAAGAAGGCCAGGTCTATGACAGACGTCTATCTTTGAACATGGCCATTGCAGAC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  255 otgotottoctcgtcaccettccattctggatccactatgtcagggggcataactgggtt
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              370 AIGCIGCICCIGACIIGCAIIAGCAIGGACCGGIACAICGCCAIIGIACAGGC 422
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                15-NOV-1996 (first entry)
CC-chemokine receptor 3 cDNA clone.
CC-chemokine receptor 3; CKP-3; Eos-L2; inhibitor; antisense; antiinflammatory; eosinophil; ss.
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/note= "CKR-3 cDNA clone has GC at positions
                                                                                                                                                                                               306 T;
                                                                                                                                                                                                                                                  Score 55; DB 23; Length 1116;
Pred. No. 2.33e-20;
                                                                                                                                                                                                                                                                                                           0; Mismatches 119; Indels
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                                                                                                                                                                                               286 C;
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92..1159
/*tag= a
918..919
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             25-JUL-1996.
19-JAN-1996; UO0608.
19-JAN-1995; US-375199.
(BGHM ) BRIGHAM & WOMENS HOSPITAL.
                                                                                                                                                                                                                                                                                   Pred.
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T31335 standard; cDNA; 1193 BP.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (CHIL-) CHILDRENS MEDICAL CENT. (LEUK-) LEUKOSITE INC.
                                                                                                                                                                                            246 A;
                                                                                                                                                                                                                                               Query Match
Best Local Similarity 59.4%;
Matches 174; Conservative
                                                                                                                                                                                         Sequence 1116 BP;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 96-354528/35.
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P-PSDB; W03377
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Search completed: Sat Nov 14 00:36:18 1998 Job time: 1101 secs.
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                                                                                                                                                                                                                                                                                               Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Human C-C chemokine receptor 3 DNA.

Human C-C chemokine receptor 3 DNA.

Human C-C chemokine receptor 3 DNA.

Human; cottain; cosinophil; chemottractant; stimulation;

Human C-C chemokine receptor 3 DNA.

Human; cottain; cosinophil; chemottractant; stimulation;

Human; disease; inflammation; allegy; asthma; rhinits;

M creatment; disease; inflammation; allegy; asthma; rhinits;

M interstitial; lung; pneumonia; Loeffler's; syndrome;

M interstitial; LLD; idiopathic pulmonary fibrosis;

M interstitial; LLD; idiopathic pulmonary fibrosis;

M interstitial; LD; idiopathic lupus erythematosus; SLE;

M creatmonyositis; bowel; anaphylaxis; drug; penicillin;

Cephalosporin; insect sting; Croin's; ulcerative colitis;

M cephalosporin; insect sting; Croin's; ulcerative colitis;

M cephalosporin; insect sting; crianis necrotising; cutaneous;

M vasculitis; myositis; fascitis; multiple sclerosis;

M uransplantation; allogatf; graff; rejection;

M transplantation; allogatf; graff versus host; cancer;

M hamatologic malignancy; septic; endotoxic; shock;

M hamatologic malignancy; explic; endotoxic; shock;

M hamatologic malignancy; explic; endotoxic; shock;

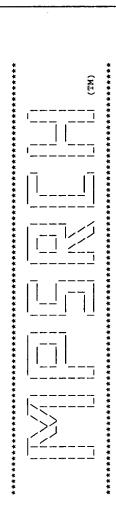
M hamatologic malignancy; explicition; imminimates in multiple sclerosis;

M hamatologic malignancy; explicition; imminimates in multiple myositis; farmitical myositis; 
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  polymyositis; dermatomyositis; immunosuppression; immunodeficiency; AIDS; radiation therapy; chemotherapy; autoimmune; corticosteroid;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      nple 7; Page 97; 130pp; English.
present sequence encodes human C-C chemokine receptor 3 (CRK3),
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           272 aaatacaggaggctccgaattatgaccaacatctacctgctcaacctggccatttcggac
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          190 TITIATAAGAAGGCCAGGICTAIGACAGACGICTATCICTIGAACAIGGCCAITGCAGAC
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            for
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                                                                                       disease.
334 T;
                                                                                                                                                                                                                                                                                          ö
is given in T31336. The cDNA and genomic clones can be used the prodn. of recombinant CKR-3 in host cells, or to design antisense sequences used in for treating inflammatory disease. Sequence 1193 BP; 274 A; 310 C; 275 G; 334 T;
                                                                                                                                                                                                           Length 1193;
                                                                                                                                                                                                                                                                                          0; Mismatches 119; Indels
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                                                                                                                                                                                                       Score 55; DB 23;
Pred. No. 2.33e-20;
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181..1248
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           09-JAN-1994,
1-JUN-1996; U10723,
23-JUN-1995; US-494093.
(LEUK-) LEUKOSITE INC.
MacKay C, Newman W, Ponath PD,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    /product- CRK3
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T58783 standard; DNA; 1689 BP.
                                                                                                                                                                                                       / Match
Local Similarity 59.4%;
les 174; Conservative
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P-PSDB; W10100
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compable of stimulating costinophil accumulation and/or attracting capable of stimulating chambaris), binds.

Evanton number of the control of the control of the can be used to develop products for a stema, allergic be used to treat inflammatory or allergic diseases or pneumonitis, by presensitivity lung diseases or pneumonitis, by premior preparations as lockflet is syndrome and chronic costnophilic pneumonia, interstitial lung diseases (ILD) such as idiopathic pneumonia, systemic anaphylaxis or hypersensitivity or dermatory systemic slopens or the premior of dermatory or dermatory or dermatory site of the inflammatory bowel diseases (e.g. crohn's insect sting allergies, inflammatory dermatorses (e.g. crohn's insect sting allergies, inflammatory dermatorses (e.g. crohn's insect sting allergies, inflammatory dermatorses (e.g. crohn's scleroderma, poorlasis and inflammatory dermatorses (e.g. crohn's scleroderma, poorlasis and inflammatory dermatorses (e.g. crohn's scleroderma, poorlasis, outchammatory and fascitis, multiple sclerosis, scalophilic myositis and sc
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Gaps
which human ectaxin (hE), an ecsinophil specific chemoattractant
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Degenerate primers based on the guinea pig eotaxin amino acid sequence were used for the reverse transcriptase polymerase chain reaction (RT-PCR) amplification of RNA isolated from inflamed, eosinophilic lung tissue obtained from Balb/c mice sensitised to ovalbumin. The amplification product was used as a probe to screen
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         190 TITIATAAGAAGGCCAGGTCTATGACAGACGTCTATCTCTTGAACATGGCCATTGCAGAC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       a human genomic library in vector EMBL3 SP6/T7 to obtain the hE
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Matches 174; Conservative
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n.a. - n.a. database search, using Smith-Waterman algorithm MPsrch_nn Fri Nov 13 23:16:17 1998; MasPar time 1258.39 Seconds 1364.368 Million cell updates/sec Run on:

Tabular output not generated.

Description: Title:

>US-08-887-977-9 (1-1119) from US08887977.seq 1119

1 ATGITITCGACTCCAGTGAA......AGAAAGCTGAGTCTCCCTAA 1119
TACAAAAGCTGAGGTCACTI.....TCTTTCGACTCAGAGGGATT Perfect Score: N.A. Sequence:

TABLE default Gap 6 Scoring table:

Dbase 0; Query 0 •• STD Nmatch

1988617 seqs, 767163441 bases x Searched:

Minimum Match 0% Listing first 45 summaries Post-processing:

embl-est55 Database:

Database:

Variance 1.882; scale 5.936 Mean 11.175; Statistics:

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

	Brod		0.00e+00	3.37e-239	6.10e-211	5.87e-117	2.62e-86	2.98e-67	5.89e-57	5.89e-57	6.58e-53	6.58e-53	3.31e-37	3.31e-37	3.31e-37
	Docorrintion	יייייייייייייייייייייייייייייייייייייי	UI-R-C1-kk-c-08-0-UI.s 0.00e+00	vw18g09.rl Soares mous	al50h01.s1 Soares_NFL_	50bl Human retina cDNA	97SN1787 Rice Immature	97SN1787 Rice Immature	97SN1784 Rice Immature	za81f05.rl Soares feta	vw18g08.rl Soares mous	97SN1784 Rice Immature	EST35211 Embryo, 8 wee	EST11038 Umbilical vei	vf89d03.rl Homo sapien
	£	-	AI045155	AA790757	AA889777	W28677	AA754459	AA754459	AA754458	W04836	AA790756	AA754458	AA331167	AA296456	R15256
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	Result	:	O		U	υ		υ				υ			

/.organism="Rattus norvegicus" /strain="Sprague-Dawley" /note="Vector: p1713D-Pac (Pharmacia) with a modified polylinker; Site_1: Not 1; Site_2: Eco RI; The UI-R-CI

Seq primer: M13 Forward. Location/Qualifiers

source FEATURES

	14 15	388	4 4	391	20	~	EST34714 Homo sapiens mo56a06.rl Soares 2NbM	mo sapiens Soares 2N		.02e-29 .02e-29
	16	, œ	. 4			0018	mp93c11.r1	Soares 2Nt	-	e-29
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υ	13	o w	. r.				F.rubripes	Soares mou GSS sequer	4 4	e-29
	50	91	7				ua81c03.rl	Soares mou	4	e-26
	21	o ır	7 -			AA205847 H29103	zq50c02.rl	Stratagene	4. Հ	e-26
υ	23	າເດ	: - :				Homo sapien	s ntcon2 o	٠ ا	e-24
	24	4.	0.				vz31c03.rl	Soares 2Nt	ä	se-22
	22	₹ •	0.0				nq19g01.s1	NCI_CGAP_1	તં,	se-22
	27	* 4					Y1/4405.F1	HOMO Sapie	-i -	Se-22
	58	٠ 4	0				Homo sapien	s ptcon2 c	-	e-22
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	30	0.0	٥.				ZF-A179 zeb	rafish adu	4	e-19
U	3.T	7 (ن. د				F.rubripes	GSS sequer	4.0	e-19
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U) () 4					N45296	vz16f09.s1	Homo sapie	* ~	10 13 10-17
O		١, ١				AA690396	vu52b02.rl	Soares mon	~	Se-17
Ü	36	ı , ,				AA035022	zk27c08.rl	Soares pre	2	e-17
O	37		8.			AA622439	nq40b08.s1	NCI CGAP	~	3e-17
ပ	38	_	8.			AA425767	zw47g03.s1	Soares tot	7	3e-17
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O	40		œ.			AA862993	og99c06.s1	NCI_CGAP_F	ď	3e-17
O	41	-	æ.			AA148398	z144c09.r1	Soares pre	7	8e-17
	42	7	ω.			AA058871	z196h03.s1	Stratagene	7	3e-17
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1	AUTHORS	Ronaldo, M	J 7 . C	3	, ליים	do.M.F. Lennon, G and Soare	Soares, M. B.			
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library is a subtracted library derived from the UI-R-CO library, which is a subtracted library derived from the UI-R-AI and UI-R-AI and UI-R-AI libraries. The UI-R-AI library consisted of a mixture of individually tagged normalized libraries constructed from rat placenta, adult lung, brain, liver, Kidney, heart, spleen, ovary, and muscle. The UI-R-EI library consisted of a mixture of individually tagged normalized libraries constructed from 8, 12 and 18-day embryo. The tag is a string of 3-5 nucleotides present between the Not I site and the oligo-dr track which allows identification of the library of origin of a clone within the mixture. The subtracted library (UI-R-CI) was constructed as follows: PCR amplified cDNA inserts from UI-R-CO clones from which 3' ESTS had been derived was used as a driver in a hybridization with the UI-R-CO library in the form of single-stranded circles. The remaining single-stranded circles (subtracted library) was publicated.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     VALUES 312 bp MRNA EST 06-FEB-1998 VALUES09.rl Soares mouse mammary gland NDMMG Mus musculus cDNA clone 1244224 5' similar to SW:CRR6_HUMAN P51684 C-C CHEMOKINE RECEPTOR AA790757
                                                                                                                                                                                                                                                                                                                                                                                                        hydroxyapatite column chromatography, converted to double-stranded circles and electroporated into DH10B bacteria (Life Technologies) to generate the UI-R-C1 library. This procedure has been previously described (Bonaldo, Lennon and Soares, Genome Research 6: 791-806,
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Pred. No. 0.00e+00;
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113 c 108 g 138 t 2 ot
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/clone_lib="UI-R-C1"
/dev_stage="Adult"
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SOURCE
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Marra, M., Hillier, L., Allen, M., Bowles, M., Dietrich, N., Dubuque, T., Gelsel, S., Kucaba, T., Lacy, M., Le, M., Martin, J., Morris, M., Schallenberg, K., Steptoe, M., Tan, F., Underwood, K., Moore, B., Theising, B., Wylie, T., Lennon, G., Soares, B., Wilson, R. and
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ö
                                                                                                                                                                                                                                                                                 Email: mouseest@watson.wustl.edu
This clone is available royalty-free through LLNL ; contact the
IMAGE Consortium (info@image.llnl.gov) for further information.
MGI:657912
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/clone="1244224"
/clone_lib="Soares mouse mammary gland NDMMG"
/sex="male"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Length 312;
                                                                                                                                                                                                                                                                                                                                                                              Possible reversed clone: similarity on wrong strand
Seq primer: -28ml3 rev2 ET from Amersham
High quality sequence stop: 217.
                                                                                                                                                                                                                                        4444 Forest Park Parkway, Box 8501, St. Louis, MO
Tel: 314 286 1800
Fax: 314 286 1810
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Pred. No. 3.37e-239;
0; Mismatches 89;
                                                                                                                                                                                                WashU-HHMI Mouse EST Project
Washington University School of MedicineP
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/dev_stage="4 weeks"
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                                                                                                                                                                            Contact: Marra M/Mouse EST Project
                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1. .312 /organism="Mus musculus"
                                                                                                                      The WashU-HHMI Mouse EST Project
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1 (bases 1 to 312)
Marra,M., Hillier,L.,
Geisel,S., Kucaba,T.,
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| Conservative
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C
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DEFINITION

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ACCESSION

ORGANISM

KEYWORDS SOURCE

REFERENCE

AUTHORS

TITLE

JOURNAL

COMMENT

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/organism="Homo sapiens"
/organism="Togan eye; Vector: lambda gt10; Site_1: ECORI;
Site_2: ECORI; The library used for sequenching was a
sublibrary derived from a human retina cDNA library.
Inserts from retina cDNA library DNA were isolated,
randomly primed, PCR amplified, size-selected, and cloned
into lambda gt10. Individual plaques were arrayed and
used as templates for PCR amplification, and these PCR
products were used for sequencing."
/db_xref="Laxon:9606"
/clone_lib="Human retina cDNA randomly primed sublibrary"
/sex="mixed (males and females)"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   1104 TITCTATCACATAGTGAAGGACGACGCATTGTCGTTATCTGCGGTCTCACTGGTCTCCCC 1045
".cov// 635 bp mRNA EST 08-MAY-1996
50bl Human retina cDNA randomly primed sublibrary Homo sapiens
CDNA, mRNA sequence.
W28677
91308625
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 378 ANNGGGGTGCACAGNGTNCAGNAAGAAGCNCAGGACN-CCAGNACN-CTGNGACANTTNC 435
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   209 INTCINICACAINGGGAAGGANGAGGNAINN-CGAIAICIGNGGICICACIGGICI-CCG 266
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                                                                                                                                                                                                                                                                Eukaryotae; mitochondrial eukaryotes; Metazoa; Chordata; Vertebrata; Eutheria; Primates; Catarrhini; Hominidae; Homo. 1 (bases 1 to 635)
MacKe, J., Smallwood, P. and Nathans, J.
Adult Human Retina cDNA
Unpublished (1996)
                                                                                                                                                                                                                                                                                                                                                                                                                                                         Contact: Dr. Jeremy Nathans
Dr. Jeremy Nathans,
Dr. Jeremy Nathans, Dept. of Molecular Biology and Genetics
Johns Hopkins School of Medicine
725 North Wolfe Street, Baltimore, MD 21205
Fax: 410 614 0827
Email: jeremy_nathans@qmail.bs.jhu.edu
Clones from this library are NOT available.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         267 ANATATGTNN-CTCAGTACC-CCCGGAACAGGAGANNGANN-CTNGNTCT-CANNCT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           323 NANACACCACAGGTCCT-CAAGATCT-CAGAATGTACTTCTNN-CNTCT-CCCA-TGAG
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Pred. No. 5.87e-117;
0; Mismatches 58; Indels 13;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     94 others
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              FORWARD: CITITGACCAAGITCAGCCTGGITAAGI
BACKWARD: GAGGIGGCTATGAGATTTCTTCCAGGGTAA
Seg primer: GGGTAAAAAGCAAAAGATT.
Location/Quallifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             /tissue_type="retina"
/dev_stage="adult"
/lab_host="E. coli strain K802"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ų
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match 7.1%;
Best Local Similarity 71.4%;
Matches 177; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        <1. .>635
1 136 c
                                                                                                                                                                                                                                                     Homo sapiens
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864 CGTATAGC 857
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DEFINITION
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ORGANISM
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BASE COUNT
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Matches
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AUTHORS
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                                                                                                                                             ACCESSION
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       /organism="Homo sapiens"
/note="Organ: pooled; Vector: pT7T3D-Pac (Pharmacia) with a modified polylinker; Site_1: Not I; Site_2: Eco RI; Equal amounts of plasmid DNA from three normalized libraries (fetal lung NbHL19W, testis NHT, and B-cell NCI_CGAP_GCB1) were mixed, and ss circles were made in vitro. Following HAP purification, this DNA was used as tracer in a subtractive hybridization reaction. The driver was PCR-amplified cDNAs from pools of 5,000 clones made from the same 3 libraries. The pools consisted of I.M.A.G.E. clones 227480-302087, 682632-687239, 726408-728111, and 722096-731399. Subtraction by Bento Soares and M. Fatima Bonaldo."
                                                                                                                                                                                                                                                                                                                                                                                           Eukaryota; Metazoa; Chordata; Vertebrata; Mammalia; Eutheria; Primates; Catarrhin; Hominidae; Homo.

1 (bases 1 to 492)

1C.-GGAP http://www.ncbi.nlm.nih.gov/nciogap.

National Gancer Institute, Cancer Genome Anatomy Project (GGAP), Tumor Gene Index
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         This clone is available royalty free through LLNL; contact the IMAGE Consortium (info@image.llnl.gov) for further information. Possible reversed clone: similarity on wrong strand Seq primer: -40ml3 fwd. ET from Amersham
High quality sequence stop: 109.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      1059 CTCACTGGTCTGCCGAGAAATGTTTTCTGAGTACCTCCCGGCACAGGAGAAGCTGAGGA 1000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           282 TTAGGGGGGCCCCACCTTCTATCAATGGTGA-GGACGGCGCCATGTCGGTAACTGCGGT 340
                                                                                                                                                                     AA889777 492 bp mRNA EST 03-APR-1998 alsoholi-si Scares_NFL_T_GBC_SI Homo sapiens cDNA clone IMAGE:1460785 3' similar to SW:CRRG_HUMAN P51684 C-C CHEMOKINE RECEPTOR TYPE 6;, mRNA sequence.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   341 CTCAATGGTCTTCCGAGAAAAGGTTTCCGGGGAACTCCGGGAAAAGGGGGAAGCCTGAGGA 400
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           401 CTGGTACTTCCTTCCAGAGCACCACGAGGGTC-TTCAAGATCTTCCGAAAGTAGTTTCGGAA 459
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Score 121; DB 16; Length 492;
Pred. No. 6.10e-211;
0; Mismatches 39; Indels 2; Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  /db_xref="taxon:9606"
/clone="IMAGE:1460785"
/clone_lib="Soares_NFL_T_GBC_S1"
/lab_host="DH10B" 122 t
il9 c 117 g 122 t
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Contact: Robert Strausberg, Ph.D. Tel: (301) 496-1550
Email: Robert_Strausberg@nih.gov
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             117 g
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Best Local Similarity 80.8%;
Matches 172; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Unpublished (1997)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    1. .492
                                                                     724 AAAGCCATCCG 734
                                                                                                                                                                                                                                                                                                                                                                                      Homo sapiens
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                                                                                                                                                                                                                                                                             AA889777
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source

FEATURES

BASE COUNT ORIGIN

셤 Сp 셤 g S ద RESULT

322

865

ACCESSION NID KEYWORDS TITLE JOURNAL COMMENT

FEATURES

REFERENCE AUTHORS

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/note="Vector: pBluescript SK(+); Site_1: EcoRI; Site_2: XhoI; Directional cDNA library inserted into lambda ZAPII vector at 5'end with EcoRI and 3' end with Xho I site."
/db_xref="taxon:4530"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  AA754458 247 bp mRNA EST 20-JAN-1998 97SN1784 Rice Immature Seed Lambda ZAPII cDNA Library Oryza sativa cDNA clone 97SN1784, mRNA sequence.
AA754458 92801164
                                                                   Eukaryotae; Viridiplantae; Charophyta/Embryophyta group;
Embryophyta; Tracheophyta; seed plants; Magnoliophyta; Liliopsida;
Poales; Poaceae; Oryza.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           /clone_1978N197"
/clone_lib-"Rice Immature Seed Lambda ZAPII cDNA Library"
/tlssue_type="Immature Seed"
/dev_statgpe="5 days after pollination"
/lab_host="E. coll SOLR"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Eukaryotae; Viridiplantae; Charophyta/Embryophyta group;
Embryophyta; Tracheophyta; seed plants; Magnollophyta; Liliopsida;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Email: myeun@sun20.asti.re.kr
Submitted by Baek Hie Nahm, Dept of Biological Science, Myongji
University, Yongin, Korea. 449-728 bhnahm@bioserver.myongji.ac.kr
Seq primer: M13 Reverse Primer.
                                                                                                                                                                                   1 (bases 1 to 252)
Nahm.B.H., Kim.J.K., Cheong,J.J., Kim,S.I., Hahn,T.R, Moon,E.P.,
Kim,W.T., Kim,W.Y., Yang,M.S., Park,R.D., Sohn,U.I., Kang,K.Y.,
Lee,M.C. and Eun,M.Y.
                                                                                                                                                                                                                                                                                                                                           Large-scale Sequencing Analysis of ESTs from Rice Immature Seed Unpublished (1998)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          80 WBVBNTKVDVGNHTRCSRWRBVTRMAHYHDYTNCBBYNNNDYHMWHBBMYBBTGCMTCTM 139
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  140 WCWBHYNTKCTASGWHTSTNYDVKSSTNTWGVTBSYDKSMHGYWCS-BBVKYHTKVSTTR 198
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              463 TGCGCGGTAGTGTTCTGGATCGGAGCCGGAATGACTTAGTCGCCTGTACAATGGCGATGT 404
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              343 TGCCTTTTAGCAACTTGCACTTGCTGAAAACCCACGCACCAGTGGCATGACTCA 284
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       21 TSYBCHGNBVWVCVASHGNYMSVHNCTBRGTHCDCKNVNWSTMTWGTVNW-BNVSGDWHY
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |::: :: :: :::|::|:|| |::|:|| |:::|| |:::|| |:::|| |:::|| |:::|| |:::|| |:::|| |::|| |::|| |::|| |::|| |::|| |::|| |::|| |::|| |::|| |::|| |::|| |::|| |::|| |::|| |::|| |::|| |::|| |::|| |::|| |::|| |::|| |::|| |::|| |::|| |::|| |::|| |::|| |::|| |::|| |::|| |::|| |::|| |::|| |::|| |::|| |::|| |::|| |::|| |::|| |::|| |::|| |::|| |::|| |::|| |::|| |::|| |::|| |::|| |::|| |::|| |::|| |::|| |::|| |::|| |::|| |::|| |::|| |::|| |::|| |::|| |::|| |::|| |::|| |::|| |::|| |::|| |::|| |::|| |::|| |::|| |::|| |::|| |::|| |::|| |::|| |::|| |::|| |::|| |::|| |::|| |::|| |::|| |::|| |::|| |::|| |::|| |::|| |::|| |::|| |::|| |::|| |::|| |::|| |::|| |::|| |::|| |::|| |::|| |::|| |::|| |::|| |::|| |::|| |::|| |::|| |::|| |::|| |::|| |::|| |::|| |::|| |::|| |::|| |::|| |::|| |::|| |::|| |::|| |::|| |::|| |::|| |::|| |::|| |::|| |::|| |::|| |::|| |::|| |::|| |::|| |::|| |::|| |::|| |::|| |::|| |::|| |::|| |::|| |::|| |::|| |::|| |::|| |::|| |::|| |::|| |::|| |::|| |::|| |::|| |::|| |::|| |::|| |::|| |::|| |::|| |::|| |::|| |::|| |::|| |::|| |::|| |::|| |::|| |::|| |::|| |::|| |::|| |::|| |::|| |::|| |::|| |::|| |::|| |::|| |::|| |::|| |::|| |::|| |::|| |::|| |::|| |::|| |::|| |::|| |::|| |::|| |::|| |::|| |::|| |::|| |::|| |::|| |::|| |::|| |::|| |::|| |::|| |::|| |::|| |::|| |::|| |::|| |::|| |::|| |::|| |::|| |::|| |::|| |::|| |::|| |::|| |::|| |::|| |::|| |::|| |::|| |::|| |::|| |::|| |::|| |::|| |::|| |::|| |::|| |::|| |::|| |::|| |::|| |::|| |::|| |::|| |::|| |::|| |::|| |::|| |::|| |::|| |::|| |::|| |::|| |::|| |::|| |::|| |::|| |::|| |::|| |::|| |::|| |::|| |::|| |::|| |::|| |::|| |::|| |::|| |::|| |::|| |::|| |::|| |::|| |::|| |::|| |::|| |::|| |::|| |::|| |::|| |::|| |::|| |::|| |::|| |::|| |::|| |::|| |::|| |::|| |::|| |::|| |::|| |::|| |::|| |::|| |::|| |::|| |::|| |::|| |::|| |::|| |::|| |::|| |::|| |::|| |::|| |::|| |::|| |::|| |::|| |::|| |::|| |::|| |::|| |::|| |::|| |::|| |::|| |::|| |::|| |::|| |::|| |::|| |::|| |::|| |::|| |::|| |::|| |::|| |::|| |:|| |:|| |::|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:||
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       / Match 5.1%; Score 57; DB 13; Length 252
Local Similarity 11.6%; Pred. No. 2.98e-67;
les 27; Conservative 117; Mismatches 86; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                       Contact: Bun M.Y.
Department of Cytogenetics
National Inst. of Agri. Sci. and Tech,
Suwon, Kyunggido, Korea
Tel: 82 331 290 0301
Fax: 82 331 290 0307
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    .252
    /organism="Oryza sativa"
    /cultivar="Milyang23"

                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Location/Qualifiers
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                                       Oryza sativa
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               AA754459 252 bp mRNA EST 20-JAN-1998 97SN1787 Rice Immature Seed Lambda ZAPII cDNA Library Oryza sativa cDNA clone 97SN1787, mRNA sequence. AA754459 92801165
                                                                                                                                                                                                                                                                                       Oryza sativa
Eukaryotae: Viridiplantae; Charophyta/Embryophyta group;
Eukaryotophyta: Tracheophyta; seed plants; Magnoliophyta; Liliopsida;
Poales; Poaceae; Oryza.

1 (bases 1 to 252)
Nahm, B.H., Kim, M.K., Cheong, J.J., Kim, S.I., Hahn, T.R, Moon, E.P.,
Kim, W.T., Kim, W.Y., Yang, M.S., Park, R.D., Sohn, U.I., Rang, K.Y.,
Lee, M.C. and Eun, M.Y.
Lae, M.C. and Eun, M.Y.
Laere-scale Sequencing Analysis of ESTS from Rice Immature Seed
Unpublished (1998)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           /organism="Oryza sativa"
/organism="Miyang33"
/ocliiva-"Wetcor: pBluescript SK(+); Site_1: EcoRI; Site_2:
XhoI; Directional cDNA library inserted into lambda ZAPII
/ob_xrefa-"tas f ond with EcoRI and 3' end with Xho I site."
/db_xrefa-"tason:4530"
/clone="975N1787"
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National Inst. of Agri. Sci. and Tech, RDA
National Inst. of Agri. Sci. and Tech, RDA
Wown, Kypungqido, Korea
Tel: 82 331 290 0301
Fax: 82 331 290 0307
Fax: 82 bmain: myeun@sun20.asti.re.kr
Submitted by Baek Hie Nahm, Dept of Biological Science, Myongji
University, Yongin, Korea. 449-728 bhnahm@bloserver.myongji.ac.kr
Seq primer: M13 Reverse Primer.
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/tissue_type="Immature Seed"
/dev_stage="5 days after pollination"
/lab_host="E. coli SOLR"
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Length 252;

179 others

1 (bases 1 to 247)
Nahm,B.H., Kim,J.K., Cheong,J.J., Kim,S.I., Hahn,T.R, Moon,E.P.,

REFERENCE AUTHORS

ACCESSION

RESULT

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2a81f05.rl Soares fetal lung NbHL19W Homo sapiens cDNA clone 298977
5' similar to gb:D10925 C-C CHEMOKINE RECEPTOR TYPE 1 (HUMAN);,
MO4836
                                                                                                                                                                                                                                                                                                                                  /organism="Oryza sativa"
/cultivar="Milyang23"
/cultivar="Milyang23"
/note="Vector: pBluescript SK(+); Site_1: EcoRI; Site_2:
XhoI; Directional cDNA library inserted into lambda ZAPII
vector at 5'end with EcoRI and 3' end with Xho I site."
/db_xref="taxon:4530"
                                                                                                                                                                                                                                                                                                                                                                                                                                                 /clone="975N1784"
/clone_lib="Rice Immature Seed Lambda ZAPII cDNA Library"
/tlssue_type="Immature Seed"
/dev_stage="5 days after pollination"
/lab_host="E. coli SOLR"
16 c 21 g 34 t 169 others
                                                                                                                                                                                                            Email: myeun@sun20.asti.re.kr
Submitted by Back Hie Nahm, Dept of Biological Science, Myongji
University, Yongin, Korea. 449-728 bhnahm@bioserver.myongji.ac.kr
Seq primer: Mi3 Reverse Primer.
Location/Qualifiers
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                                Large-scale Sequencing Analysis of ESTs from Rice Immature Seed Unpublished (1998)
Kim,W.T., Kim,W.Y., Yang,M.S., Park,R.D., Sohn,U.I., Kang,K.Y.,
Lee,M.C. and Eun,M.Y.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     65 TVBWYYARSKYGYGTBYYSWNVDTNTGGTGVGKTTVNVHSGWNNRCSNSVVYVWBTAYCD 124
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Vertebrata; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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Hillier, L., Clark, N., Dubuque, T., Elliston, K., Hawkins, M., Holman, M., Rucaba, T., Le, M., Lennon, G., Marra, M. Parsons, J., Rifkin, L., Rohlfing, T., Soares, M., Tan, F., Trevaskis, E., Waterston, R., Williamson, A., Wohldmann, P. and
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                                                                                                               Department of Cytogenetics
National Inst. of Agri. Sci. and Tech, RDA
Suwon, Kyunggido, Korea
Tel: 82 331 290 0301
Fax: 82 331 290 0307
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                                                                                                 Eun M.Y.
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AA790756 130 bp mRNA EST 06-FEB-1998 vw18908.rl Scares mouse mammary gland NDMMG Mus musculus cDNA clone 1244222 5' similar to SW:CKR6_HUMAN P51684 C-C CHEMOKINE RECEPTOR
                                                                                                                                                                                                                                                                                                                                                                   normalization to a Cot = 5. Library constructed by Bento Soares and M.Fatima Bonaldo. This library was constructed from the same fetus as the fetal heart library, Soares
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Eukaryotae; Metazoa; Chordata; Vertebrata; Manmalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.

1 (bases 1 to 130)

Marra,M., Hillier,D., Allen,M., Bowles,M., Dietrich,N., Dubuque,T., Geisel,S., Kucaba,T., Lay,M., Le,M., Martin,J., Morris,M., Schellenberg,K., Steptoe,M., Tan,F., Underwood,K., Moore,B., Theising,B., Wylie,T., Lennon,G., Soares,B., Wilson,R. and
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ö
                                                                                                                                                    Email: est@watson.wustl.edu
This clone is available royalty-free through LLNL ; contact the
IMAGE Consortium (info@image.llnl.gov) for further information.
Seq primer: mob.REGA+ET
High quality sequence stop: 402.
Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   249
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     58 TACTCCTTGGTATTTGTCATTGGCCTGGTTGGAAACATCCTGGTGGTCCTTGGTCCTTGTG 117
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            118 CAATACAAGAGGCTAAAAAACATGACCAGCATCTACCTCCTGAACCTGGCCATTTCTGAC 177
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   250 ATCCTCTTTGTTCTTACTCTCCCATTCTGGGCAGTGAGTCATGCCACTGGTGCGTGGGTT 309
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            190 TITIATAAGAAGGCCAGGTCTATGACAGACGTCTATCTCTTGAACATGGCCATTGCAGAC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               178 CIGCICITCCIGITCACGCITCCCTTCTGGATCGACTACAAGITGAAGGATGACTGGGIT
Contact: Wilson RK
Washb-Merck EST Project
Washington University School of Medicine
4444 Forest Park Parkway, Box 8501, St. Louis, MO 63108
Tel: 314 286 1800
Fax: 314 286 1810
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ;
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Score 52; DB 22; Length 450;
Pred. No. 5.89e-57;
0; Mismatches 77; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  /dev_stage="19 weeks"
/lab_host="DH10B (ampicillin resistant)"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    /db_xref="taxon:9606"
/clone="298977"
/clone_lib="Soares fetal lung NbHL19W"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         130 t
                                                                                                                                                                                                                                                                                                                      1. .450
/organism="Homo sapiens"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 fetal heart NbHH19W."
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 109 g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      238 TTTGGTGATGCCATGTGTAAGATCCT 263
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TYPE 6;, mRNA sequence.
AA790756
92850876
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match
Best Local Similarity 62.6%;
Matches 129; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           .>450
118 c
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φ

US-08-887-977-9.rst

JOURNAL

TITLE COMMENT FEATURES

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Note="Vector: PBluescript SK(+); Site_1: EcoRI; Site_2: XhoI; Directional cDNA library inserted into lambda ZAPII vector at 5 end with EcoRI and 3' end with Xho I site." /db_xref="taxon:4530" /clone="97SN1784" /clone="97SN1784" /clone="1" Rice Immature Seed Lambda ZAPII cDNA Library"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Adams, M.D., Kerlavage, A.R., Fleischmann, R.D., Fuldner, R.A.,
Adams, M.D., Kerlavage, A.R., Fleischmann, R.D., Fuldner, R.A.,
Bult, C.J., Lee, N.H., Kirkness, E.F., Weinstock, K.G., Gocayne, J.D.,
White, O., Sutton, G., Blake, J.A., Brandon, R.C., Man-Wai, C.,
Clayton, R.A., Cline, T.R., Cotton, M.D., Earle-Hughes, J., Fine, L.D.,
Fitzgerald, L.M., Fitzhugh, W.M., Fritchman, J.L., Geoghagen, N.S.,
Glodek, A., Gnehm, C.L., Hanna, M.C., Hedblom, E., Hinkle, P. S.J.T.,
Moreno-Palanques, R.F., McDonald, L.-I., Marmaros, S.M., Merrick, J.M.,
Moreno-Palanques, R.F., McDonald, L.A., Nguyen, D.T., Pelligrino, S.M.,
Small, K.V., Spriggs, T.A., Utterback, T.R., Weidman, J.F., Li, Y.,
Bednarik, D.P., Cao, L., Cepeda, M.A., Coleman, T.A., Collins, E.J.,
                                                                                                                                                                                                      Email: myeun@sun20.asti.re.kr
Submitted by Back Hie Nahm, Dept of Biological Science, Myongji
University, Yongin, Korea. 449-728 bhnahm@bioserver.myongji.ac.kr
Seq primer: M13 Reverse Primer.
Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Homo sapiens
Eukaryotae; mitochondrial eukaryotes; Metazoa; Chordata;
Vertebrata; Mammalia; Eutheria; Primates; Catarrhini; Hominidae;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   670 AAAATATCATGAACATCAAAGGGATAAAGAAACCAAAGAGTAGCTCAAGCCCCCAACATCA 611
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      61 HCR-YIVBWYYARSKYGYGTBYYSWNVDINTGGTGVGKTTVNVHSGWNNRCSNSVVYVWB 119
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     120 TAYCDYBHYBDRANHVDDTRCTNDRGYCNYTASDNGTSATKRVTGYDKTDSDCGGGCWRK 179
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             AA331167 261 bp mRNA EST 21-APR-1997 EST35211 Embryo, 8 week I Homo sapiens cDNA 5' end similar to vasoactive intestinal peptide receptor RDC1, mRNA sequence.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         180 VIYGSSBYBRCGVNVMVRTTSMWTDKSTKMBSMDMSRRSRVHYGRWMBNKKRGMSRNW 237
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        1 HWDCTMNTVWRGCCCCBAWMNKHTHHMMTBBWCCVRRVGTTTNNGKHNGRTTTWNDCSDNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           /tissue_type="Immature Seed"
/dev_stage="5 days after pollination"
/lab_host="E. coli SoLR"
16 c 21 g 34 t 169 ot)
                                                                           Department of Cytogenetics
National Inst. of Agri. Sci. and Tech, RDA
Suwon, Kyunggido, Korea
Tel: 82 331 290 0301
Fax: 82 331 290 0307
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               / Match 4.5%; Score 50; DB 13; I
Local Similarity 13.0%; Pred. No. 6.58e-53;
Nes 31; Conservative 108; Mismatches 97,
                                                                                                                                                                                                                                                                                                                                                       /organism="Oryza sativa"/cultivar="Milyang23"
     Unpublished (1998)
                                                         Contact: Eun M.Y.
                                                                                                                                                                                                                                                                                                                                   1. .247
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    AA331167
91983628
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Best Local S:
Matches 3:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      BASE COUNT
     JOURNAL
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ACCESSION
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   KEYWORDS
                                                                                                                                                                                                                                                                                                         FEATURES
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      AA754458 247 bp mRNA EST 20-JAN-1998 97SN1784 Rice Immature Seed Lambda ZAPII cDNA Library Oryza sativa cDNA clone 97SN1784, mRNA sequence.
4A2754458
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Bukaryotae; Viridiplantae; Charophyta/Embryophyta group;
Embryophyta; Trachcophyta; seed plants; Magnoliophyta; Liliopsida;
Poales; Poaceae; Oryza.

1 (bases I to 247)
Nahm, B.H., Kim, J.K., Cheong, J.J., Kim, S.I., Hahn, T.R, Moon, E.P.,
Kim, W.T., Kim, W.Y., Yang, M.S., Park, R.D., Sohn, U.I., Kang, K.Y.,
Lee, M.C. and Eun, M.Y.
Large-scale Sequencing Analysis of ESTs from Rice Immature Seed
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ij
                                                                                                                                                                                                                                                                         This clone is available royalty-free through LLNL; contact the IMAGE Consortium (info@image.llnl.gov) for further information.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            2 AAAICTITCCGGGTACGCTCCAGAACACTGACGCACAGTAAGGTCATCTGTGTGGCAGTG 61
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             62 IGGITCAICTCCATCAICTCAAGCCCTACAITTAGICIICAACAAGAAAIAC 116
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Washington Mouse EST Project Washington University School of MedicineP 4444 Forest Park Parkway, Box 8501, St. Louis, MO 63108 Fax: 314 286 1800
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ï
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            /clone_lib="Soares mouse mammary gland NDAMG"
/sex="male"
                                                                                                                                                                                                                                                                                                                                                                            Possible reversed clone: Similarity on wrong strand Seq primer: -28ml3 rev2 Er from Amersham High quality sequence stop: 1. Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               DB 13; Length 130;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Pred. No. 6.58e-53;
0; Mismatches 29; Indels
                                                                                                                                                                                                                                                                                                                                                     Irace considered overall poor quality
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          /tissue_type="mammary gland"
/dev_stage="4 weeks"
/lab_host="DH10B"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      33 t
                                                                                                   Contact: Marra M/Mouse EST Project
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       /organism="Mus musculus"
                                                                                                                                                                                                                                                  Email: mouseest@watson.wustl.edu
Waterston, R.
The WashU-HHMI Mouse EST Project
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          /db_xref="taxon:10090"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Score 50;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   27 9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 /strain-"C57BL/6J"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match
Best Local Similarity 73.9%;
Matches 85; Conservative
                                              Unpublished (1996)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Bonaldo."
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Oryza sativa
                                                                                                                                                                                                                                                                                                                           MGI:657910
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ORGANISM
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ORIGIN

g ò 셤 ò ACCESSION KEYWORDS SOURCE

RESULT

REFERENCE AUTHORS

TITLE

ä

Gaps

5,

97; Indels

Length 247;

169 others

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Clayton, R.A., Cline, T.R., Cotton, M.D., Earle-Hughes, J., Fine, L.D., Fitzgerald, L.M., Fitzhugh, W.M., Fritchman, J.L., Geoghagen, N.S., Glodek, A., Gnehm, C.L., Hanna, M.C., Hedblom, E., Hinkle, F.S.Jr., Kelley, J.M., Kelley, J.G., Liu, L.-I., Marmaros, S.M., Merrick, J.M., Moreno-Palanques, R.E., McDonald, L.A., Nquyen, D.T., Pelligrino, S.M., Shillips, C.A., Ryder, S.E., Scott, J.L., Saudek, D.M., Shirley, R., Small, K.V., Sprigs, T.A., Utterback, T.R., Weldman, J.F., Li, Y., Bednarik, D.P., Cao, Logeda, M.A., Coleman, T.A., Collins, E.J., Dimke, D., Feng, D.-F., Ferrie, A., Fischer, C., Hastings, G.A., Kozak, D.L., Kunsch, C., Hungjun, J., Li, H., Melsson, P., Kim, A.K., Kozak, D.L., Kunsch, C., Hungjun, J., Li, H., Melsson, P., Kim, A.K., Pillion, P.J., Fannon, M.R., Rosen, C.A., Haseltine, W.A., Fields, C., Fischer, C.M., and Venter, J.C.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     EST.
human clone=29866 library-Soares infant brain lNIB vector-Lafmid BA
                                                                                                                                                                                                                                                                                                                                                                             Initial assessment of human gene diversity and expression patterns based upon 83 million nucleotides of cDNA sequence Nature 377 (6547 Suppl), 3-174 (1995)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Email: arkerlavetigr.org

For clone availability, additional sequence and expression

Information related to this EST, please check the TiGR Human Gene

Index (http://www.tigr.org/tdb/hgi.html)

Seq primer: MIS Reverse.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   400 pp mRNA EST 13-APR-1995
yf89d03.rl Homo sapiens cDNA clone 29866 5' similar to gb:M64749 PROTEIN-COUPLED RECEPTOR RDC1 HOMOLOG (HUMAN);.
R15256
g769529
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    61 CTACATCTTGAACCTGGCCATTGCCGACCTGTGGGTTGTCCTCACCATCCCAGTCTGGGT 120
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        121 GGTCAGTCTCGTGCAGCACAACCAGTGGCCCATGGGCGAGCTCACGTGCAAAGTCACACA 180
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         181 CCTCATCTTCTCCATCAACCTCTTCGGCAGCATTTTCTTCCTCACGTGCATGAGCGTGGA 240
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             339 AGGCATCTATGCCATCAACTTTAACTGCGGGATGCTGCTCCTGACTTGCATTAGCATGGA 398
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                /note="Organ: umblifical vein; Vector: pBluescript
Site_1: ECORI; Site_2: XhoI"
/db_xref="ATCC (inhost):194234"
/db_xref="taxon:9606"
/clone_lib="fmbilical vein endothelial cells II"
/cell_type="endothelial cell"
/dev_stage="fetus"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    222 CTATCTCTTGAACATGGCCATTGCAGACATCCTCTTTGTTCTTACTCTCCCATTCTGGGC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      3;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        The Institute for Genomic Research
9712 Medical Center Drive, Rockville, MD 20850 USA
Tel: 3018699056
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   66; Indels
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Contact: Kerlavage, AR
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0; Mismatches 66
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Best Local Similarity 64.6%;
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Dimke, D., Feng, D.-F., Ferrie, A., Fischer, C., Hastings, G.A.,
He, W.W., Hu, J.S., Greene, J.M., Gruber, J., Hudson, P., Kim, A.K.,
Kozak, D.L., Kunsch, C., Hungjun, J., Li, H., Meissner, P.S., Olsen, H.,
Raymond, L., Wei, Y.E., Wing, J., Xu, C., Yu, G.L., Ruben, S.M.,
Dillion, P.J., Fannon, M.R., Rosen, C.A., Haseltine, W.A., Fields, C.,
Fraser, C.M. and Venter, J.C.
                                                                                                                                                          Initial assessment of human gene diversity and expression patterns based upon 83 million nucleotides of cDNA sequence Nature 377 (6547 Suppl), 3-174 (1995)
                                                                                                                                                                                                                                                                                                                                                                                                                                                 Email: arkerlav@tigr.org

For clone availability, additional sequence and expression
information related to this EST, please check the TIGR Human Gene
Index (http://www.tigr.org/tdb/hgi/hgi.html)
Seq primer: M13 Reverse.
Location/Qualifiers
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Bult, C.J., Lee, N.H., Kirkness, E.F., Weinstock, K.G., Gocayne, J.D.,
White, O., Sutton, G., Blake, J.A., Brandon, R.C., Man-Wai, C.,
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/note="Organ: Embryo, 8 weeks; Vector: pBluescript SK-;
Site_1: EcoRI; Site_2: XhoI"
/db_xref="RACC (inhost):133016"
/db_xref="taxon:9606"
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Vertebrata; Mammalla; Eutheria; Primates; Catarrhini; Hominidae;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             156 CCTCATCTTCTCCATCAACCTCTTCGGCAGCATTTTCTTCCTNACGTGCATGAGCGTGGA 215
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0; Mismatches 67; Indels
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Contact: Kerlavage, AR
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/dev_stage="embryo, 8 wks"
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Eucaryotae: Metazoa; Chordata: Vertebrata: Gnathostomata; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.

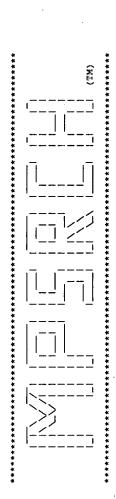
1 (bases 1 to 466)
Hillier,L., Clark, N., Dubuque,T., Elliston,K., Hawkins,M., Holman,M., Hultman,M., Rucaba,T., Le,M., Lennon,G., Marra,M., Parsons,J., Rifkin,L., Rohlfing,T., Soares,M., Tan,F., Trevaskis,E., Waterston,R., Williamson,A., Wohldmann,P. and
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Deuterostomia; Chordata; Vertebrata; Gnathostomata; Osteichthyes;
Sarcopterygii; Choanata; Tetrapoda; Amniota; Mammalia; Theria;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           High quality sequence stops: 303
Source: IMAGE Consortium, LINL
This clone is available royalty-free through LLNL; contact the
IMAGE Consortium (info@image.llnl.gov) for further information.
Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   282 AGTGAGTCATGC-CA-CTGGTGC-GTGGGTTTTCAGCAATGCCACGTGCAAGTTGCTAAA 338
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protein-coupled
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                                                                                                                                                                                                                                                                                                                                                                                                      Washington University School of Medicine
4444 Forest Park Parkway, Box 8501, St. Louis, MO 63108
Tel: 314 286 1810
Fax: 314 286 1810
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EST34714 Homo sapiens cDNA 5' end similar to G
receptor 1, Epstein-Barr virus-induced (HT:904)
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Pred. No. 3.31e-37;
0; Mismatches 66
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/clone="29866"
141 c 109 g 11
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Email: est@watson.wustl.edu
                                                                                                                                                                                                                                                                                                      The WashU-Merck EST Project
                                                                                                                                                                                                                                                                                                                                                                        Contact: Wilson RK
WashU-Merck EST Project
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llarity 64.6%;
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les 126; Conser
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                                                                                                                                                                                                                     AUTHORS
                                                                                                                                                                                                     REFERENCE
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             FEATURES
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1 (Dases) Lo. 289)
S Adams, M.D., Kerlavage, A.R., Fleischmann, R.D., Fuldner, R.A.,
Bult, C.J., Lee, N., Kirkness, E.F., Weinstock, K.G., Gocayne, J.D.,
White, O., Sutton, G., Blake, J.A., Brandon, R.C., Chlu, M.-W.,
Clayton, R.A., Cline, R.T., Cotton, M.D., Earle-Hughes, J., Fine, L.D.,
FitzGerald, L.M., FitzHugh, W.M., Fitchman, J.L., Geoghagen, N.S.M.,
Glodek, A., Gnehm, C.L., Hanna, M.C., Hedblom, E., Hinkle Jr.P.S.,
Kelley, J.M., Klimek, K.M., Kelley, J.C., Liu, L.I., Marmaros, S.M.,
Merrick, J.M., Moreno-Palanques, R.F., McDonald, L.A., Nguyen, D.T.,
Pellegrino, S.M., Phillips, C.A., Ryder, S.E., Scott, J.L.,
Saudek, D.M., Shilley, R., Small, K.V., Spriggs, T.A., Utterback, T.R.,
Weidman, J.F., Li, Y., Bednarik, D.P., Cao, L., Cepeda, M.A.,
Coleman, T.A., Collins, E.-J., Dimke, D., Feng, P., Ferrie, A.,
Gruber, J., Hudson, P., Kim, A., Kozak, D.L., Kunsch, C., Ji, H.,
Meissner, P.S., Olsen, H., Raymond, L., Kunsch, C., Ji, H.,
Haseltine, W.A., Fields, C., Frass, C.M., and Venter, J.C.
Initial Assessment of Human Gene Diversity and Expression Patterns
Based upon 52 Mullion Basepalrs of CDNA Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Marra, M., Hillier, L., Allen, M., Bowles, M., Dietrich, N., Dubuque, T., Gelsel, S., Kucaba, T., Lacy, M., Le, W., Martin, J., Morris, M., Schellenberg, K., Steptce, M., Tan, F., Underwood, K., Moore, B., Theising, B., Wylie, T., Lennon, G., Soares, B., Wilson, R. and
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Fax: 3018699423
Email: tdbinfo@tdb.tigr.org
For clone availability, additional sequence and expression
information related to this EST, please contact the TiGR Database
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          AA153412 391 bp mRNA EST 18-FEB-1997 mq66a06.rl Soares 2NbMT Mus musculus cDNA clone 583666 5' similar to 90:L06797 PROBABLE G PROTEIN-COUPLED RECEPTOR LCR1 HOMOLOG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ö
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Eukaryotae; mitochondrial eukaryotes; Metazoa; Chordata;
Vertebrata; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           120 GTCACCTACAGCCTGGGCTGCGTCGGNTGCTGCGTCAACCCTTTGTACGCCTTCATC 179
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               871 GTCACAGAAGTCCTGGCTTTCCTGCACTGCTGCTGAACCCTGTGCTCTACGCTTTTATT 930
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              0; Gaps
Archonta; Primates; Catarrhini; Hominidae; Homo.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Score 38; DB 20; Length 289;
Pred. No. 1.02e-29;
0; Mismatches 37; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 The Institute for Genomic Research 932 Clopper Rd, Gaithersburg, MD 20878 Tel: 3018699056
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 70 t
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            /organism="Homo sapiens"
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (tdbinfo@tdb.tigr.org).
Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    p
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Best Local Similarity 66.4%;
Matches 73; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Contact: Venter, JC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             <1. .>289
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Washington University School of MedicineP
Washington University School of MedicineP
4444 Forest Park Parkway, Box 8501, St. Louis, MO 63108
Tel: 314 286 1800
Fax: 314 286 1810
Email: mouseest@waston.wustl.edu
This clone is available royalty/free through LLNL; contact the
IMAGE Consortium (info@image.llnl.gov) for further information.
MGI: 358314
Seq primer: -28M13 rev2 from Amersham
High quality sequence stop: 353.
Location/Qualifiers
I. 391
/organism="Mus musculus"
//strain="CSTBL/65"
//strain="CSTBL/65"
//strain="CSTBL/65"
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Pred. No. 1.02e-29;
0; Mismatches 20; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            96 t
                Contact: Marra M/Mouse EST Project
                                                                                                                                                                                                                                                                                                                                                                                                                                                               /clone_lib="Soares 2NbMT"
/sex="male"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           /tissue_type="Thymus"
/dev_stage="4 weeks"
/lab_host="DH10B"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           81 g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match 3.4%;
Best Local Similarity 74.4%;
Matches 58; Conservative
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119 c
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BASE COUNT
ORIGIN
                                                                                                                                                                                                                        source
                                                                                                                                                                                                       FEATURES
COMMENT
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Search completed: Sat Nov 14 00:17:33 1998 Job time : 3676 secs.

90 40 60 60 60 60



Release 3.1A John F. Collins, Biocomputing Research Unit. Copyright (c) 1993-1998 University of Edinburgh, U.K. Distribution rights by Oxford Molecular Ltd

n.a. - n.a. database search, using Smith-Waterman algorithm MPsrch_nn

Sat Nov 14 00:36:39 1998; MasPar time 44.20 Seconds 1181.065 Million cell updates/sec Run on:

Tabular output not generated.

>US-08-887-977-9 (1-1119) from US08887977.seq 1119

1 ATGITITCGACTCCAGTGAA......AGAAAGCTGAGTCTCCCTAA 1119
TACAAAAGCTGAGGTCACTT......TCTTTCGACTGAGGGATT Description:
Perfect Score:
N.A. Sequence:
Comp:

Scoring table:

TABLE default Gap 6

Dbase 0; Query 0 STD : Nmatch

Post-processing:

88822 seqs, 23323279 bases x

Searched:

Minimum Match 0% Listing first 45 summaries

Database:

n-issued 1:5_COMB 2:PCT9_COMB 3:backfiles1

Mean 8.680; Variance 4.376; scale 1.984 Statistics:

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Pred. No.	2.18e-38	2.18e-38	2.18e-38	2.18e-38	9.02e-28	1.61e-28	1.54e-25	8.47e-25	7.35e-22	2.10e-20	2.10e-20	5.83e-19								
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Description	Sequence																			
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DB	7	7	~	a	ч	~	Н	~	7	7	7	7	7	~	-	Н	н	н	7	1
Length DB	1900	2058	2154	2160	2156	2751	7218	1200	1200	1979	2232	1176	1373	1373	1883	1933	1933	1933	1933	1933
Query Match	6.7	6.7	6.7	6.7	5.5	5.5	5.2	5.1	4.7	4.6	4.6	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4
Score	75	75	75	75	61	62	28	57	53	51	51	49	49	49	49	49	49	49	49	49
Result No.	1	7	m	4	Ŋ	ဖ	7	ω	o,	10	11	12	13	14	15	16	17	18	19	20

	3.05e-18	3.05e-18	4.16e-16	4.16e-16	1.06e-14	1.06e-14	1.06e-14	1.06e-14	1.05e-14	1.06e-14	1.28e-12	Η.	6.23e-12	6.68e-10	6.68e-10	6.68e-10	6.68e-10	6.68e-10	2.86e-07	2.30e-05	2.30e-05	2.30e-05	9.59e-05	9.59e-05	9.59e-05
	se 31, Applicati	27,	4, A	8	'n	4	45,	'n	4	'n	7	7	'n	2	'n	9	'n	ς,	'n	ı,	S,	35		13	1, A
	Seguence	Sequence																							
	PCT-US93-1	PCT-US93-1	US-07-759-	US-08-202-	PCT-US92-0	PCT-US95-0	PCT-0893-1	ns-08-016-	US-08-202-	PCT-US94-0	PCT-US92-0	US-07-816-	PCT-US95-1	US-08-041-	US-08-417-	US-08-202-	PCT-US94-0	ns-08-076-	US-07-816-	PCT-US93-1	US-08-238-	PCT-US93-1	PCT-US95-1	US-07-865-	US-08-446-
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	4.3	4.3	4.0	4.0	3.8	•	•		3.8		3.6	٠.	•	3.5		•			5.9	-	•		2.5	2.5	2.5
:	48	48	45	45	43	43	43	.43	43	43	40	7	36	36	36	36	36	36	32	58	53	29	78	78	28
;	21	22	23	24	52	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	c 41	42	4	c 44	45
																					-		-	-	

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GENERAL INFORMATION:
APPLICANT: Godiska, Ronald
APPLICANT: Gray, Patrick W.
APPLICANT: Gray, Patrick W.
APPLICANT: Gray, Patrick W.
TITLE OF INVENTION: Novel Seven Transmembrane Receptors
NUMBER OF SEQUENCES: 64
CORRESPONDENCE ADDRESS:
ADDRESSEE: Marshall, O'Toole, Gerstein, Murray &
ADDRESSEE: Bicknell
                                                                                                                                                                                                   STREET: 6300 Sears Tower, 233 South Wacker Drive
CITY: Chicago
STATE: 1111nois
COUNTRY: USA
                                                                                                                                                                                                                                                          ZIP: 60606

WORDTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US93/11153
 T
PCT-US93-11153-18 STANDARD; DNA; UNC; 1900 BP.
                                                                                                                                                                                                                                                                                                                                                                   FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/977,452
FILING DATE: 17-NOY-1992
ATTORNEY/AGENT INFORMATION:
                                                    Sequence 18, Application PC/TUS9311153
Sequence 18, Application PC/TUS9311153
                                                                                                                                                                                                                                                                                                                                                                                                                                                REGISTRATION NUMBER: 35,302
REGISTRATION NUMBER: 35,302
REFERENCE/DOCKET NUMBER: 31794
TELECHONICATION INFORMATION:
TELEFAX: (312) 474-6300
TELEFAX: (312) 474-6448
TELEFAX: 25-3856
INFORMATION FOR SEQ ID NO: 18:
SEQUENCE CHARACTERISTICS:
LENGTH: 1900 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              LENGTH: 1900 base pairs TYPE: nucleic acid
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RESULT
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US-08-887-977-9.rni

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580 IICCICCIGACCCIICCCIICIGGCCIACAGGGGGGCCAA--GICC-IGGGICIICGGI 636
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       637 GTCCACTITIGCAAGCICAICTITGCCAICTACAAGAIGAGCTICTICAGIGGCAIGCTC 696
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                316 AATGCCACGTGCAAGTTGCTAAAAGGCATCTATGCCATCAACTTTAACTGCGGGATGCTG 375
                                                                                                                                                                                                                                                                                                                                                                                                   401 TGTGCTCCAAGAAGGACGTGCGGAACTT-TAAAGCCTGGTTCCTCCCTATCATGTACTCC 459
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           520 AAGAGGCTCAAGACCATGACCGATACCTACCTGCTCAACCTGGCGGGGGCGACATCCTC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence 1, Application PC/TUS9309636
Sequence 1, Application PC/TUS9309636
Sequence 1, Application PC/TUS9309636
Sequence 1, Application PC/TUS9309636
SEQUENCE 1 Sirkenbach, Mark
APPLICANT: Birkenbach, Mark
APPLICANT: Birkenbach, Mark
APPLICANT: Birkenbach, Mark
TILLE OF INVENTION: Epstein Barr Virus Induced Genes NUMBER OF SEQUENCES:
CORRESPONDENCES:
ADDRESSEE: Sterne, Kessler, Goldstein & Fox STREE: 1100 New York Avenue N.W., Suite 600
CITY: Washington
                                                                                                                                                                                                                                                                                                                                              Length 2058;
                                                                                                                                                                                                                                                                                                                                           n Match 6.7%; Score 75; DB 2; Length 2058
Local Similarity 63.7%; Pred. No. 2.18e-38;
les 221; Conservative 0; Mismatches 122; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         NAME/KEY: CDS
LOCATION: 166..1395
SEQUENCE 2058 BP; 472 A; 632 C; 504 G; 448 T; 2 OTHER.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            JT 3
PCT-US93-09636-1 STANDARD; DNA; UNC; 2154 BP.
                          PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/977,452
FILING DATE: 17-NOV-1992
ATTORNEY/AGENT INFORMATION:
NAME: NOLAND, Greta E.
REGISTRATION NUMBER: 35,302
                                                                                                    REFERENCE/DOCKET NUMBER: 31794
REFERENCE/DOCKET NUMBER: 31794
TELECOMMUNICATION INFORMATION:
TELEPHONE: (312) 474-6300
TELEPHONE: (312) 474-6448
TELEX: 25-3856
INFORMATION FOR SEQ ID NO: 6: SEQUENCE CHARACTERISTICS:
LENGTH: 2058 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                 TOPOLOGY: linear MOLECULE TYPE: DNA (genomic)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               COUNTRY: U.S.A.
ZIP: 20005-3934
COMPUTER READABLE FORM:
                                                                                                                                                                                                                                               linear
                  CLASSIFICATION:
                                                                                                                                                                                                                                                                                                                                              Query Match
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                                                                                                                                                                                                                                                                                                      307 ATCATTTGTTTCGTGGGCCTACTGGGCAATGGGCTGGTCGTGTTGACCTATATCTATTTC 366
                                                                                                                                                                                                                                                                                                                                                          483
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   316 AATGCCACGTGCAAGTTGCTAAAAGGCATCTATGCCATCAACTTTAACTGCGGGATGCTG 375
                                                                                                                                                                                                                                                               Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                   427 TTCCTCCTGACCCTTCTGGGCCTACAGCGCGGCCAA--GTCC-TGGGTCTTCGGT
                                                                                                                                                                                                                                                                                                                                                                                              367 AAGAGGCTCAAGACCATGACCGATACCTACCTGCTCAACCTGGCGGTGGCAGACATCCTC
                                                                                                                                                                                                                                                                                                                                                                                                              256 TITGITCITACTCTCCCATICIGGCAGIGAGICAIGCCACIGGIGCGIGGGITTICAGC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 6, Application PC/TUS9311153
Sequence 6, Application PC/TUS9311153
Sequence 6, Application PC/TUS9311153
GENERAL INFORMATION:
APPLICANT: Godiska, Ronald
APPLICANT: Schweikart, Vicki L.
TITLE OF INVENTION: Novel Seven Transmembrane Receptors
NUMBER OF SEQUENCES: 64
CORRESPONDENCE ADDRESS:
ADDRESSEE: Marshall, O'Toole, Gerstein, Murray &
ADDRESSEE: Bicknell
STREET: G300 Sears Tower, 233 South Wacker Drive
CITY: Chicago
STATE: Illinois
                                                                                                                                                                                                                                                               4
                                                                                                                                                                                                                                 Score 75; DB 2; Length 1900;
Pred. No. 2.18e-38;
                                                                                                                                                                                                                                                          0; Mismatches 122; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           NAME/KEY: 3'UTR
LOCATION: 1246..1900
SEQUENCE 1900 BP; 431 A; 593 C; 459 G; 417 T; 0 OTHER.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          PCT-US93-11153-6 STANDARD; DNA; UNC; 2058 BP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          PCT/US93/11153
                       MOLECULE TYPE: DNA (genomic)
                                                                                                                                                                                                                                / Match 6.7%;
Local Similarity 63.7%;
nes 221; Conservative
STRANDEDNESS: single
TOPOLOGY: linear
                                                                                                           169..1245
                                                                                                                                                  169..1242
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                                                      intron
1..168
                                                                                               exon
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ZIP: 60606
                                                                                                                                    NAME/KEY:
LOCATION:
FEATURE:
                                                    NAME/KEY:
LOCATION:
                                                                                              NAME/KEY:
                                                                                                         LOCATION:
FEATURE:
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COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENY APPLICATION DATA:
APPLICATION NUMBER: PCT/US93/11153
                                                                                                                                NAME: Noland, Greta E.
REGISTRATION NUMBER: 35,302
REFERENCE/DOCKET NUMBER: 31794
TELECOMMUNICATION INFORMATION:
TELEFAX: (312) 474-6300
TELEFAX: (312) 474-6300
TELEFAX: (312) 474-6300
TELEFEX: 25-3856
INFORMATION FOR SEC ID NO: 14:
SEQUENCE CHARACTERISTICS:
LENGTH: 2160 base pairs
                                                                                                                                                                                                                                                                                                                                                                       Query Match 6.7%;
Best Local Similarity 63.7%;
Matches 221; Conservative
                                                                                                                                                                                                                                                           TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                NUMBER OF SEQUENCES: 2
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                MOLECULE TYPE: CDNA
                                                                                                                                                                                                                                                                                       TOPOLOGY: linear
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64..
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LOCATION:
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                                                                                                                                                                                                                                                                                                                        203 IGTGCTCCAAGAAGGACGTGCGGAACTT-TAAAGCCTGGTTCCTCCCTATCATGTACTCC 261
                                                                                                                                                                                                                                                                                                                                                                       262 ATCATTTGTTTCGTGGGCCTACTGGGCAATGGGCTGGTCGTGTTGACCTATATCTATTTC 321
                                                                                                                                                                                                                                                                                                 Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                       322 AAGAGGCTCAAGACCATGACGATACCTACCTGCTCAACCTGGCGGTGGCAGACATCCTC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 APPLICANT: Godska, Ronald
APPLICANT: Gray, Patrick W.
APPLICANT: Schweikart, Vicki L.
TITLE OF INVENTION: Novel Seven Transmembrane Receptors
NUMBER OF SEQUENCES: 64
CORRESPONDENCE ADDRESS:
ADDRESSEE: Marshall, O'Toole, Gerstein, Murray &
ADDRESSEE: Bicknell
STREET: 6310 Sears Tower, 233 South Wacker Drive
CITY: Chicago
STATE: Illinois
                                                                                                                                                                                                                                                                                                 ۲,
                                                                                                                                                                                                                                                                        DB 2; Length 2154;
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Pred. No. 2.18e-38;
0; Mismatches 122; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   LOCATION: 64..1197
SEQUENCE 2154 BP; 486 A; 647 C; 543 G; 478 T; 0 OTHER.
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CAURENY APPLICATION DATA:
APPLICATION NUMBER: PCT/US93/09636
FILING DATE: herewith
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PCT-US93-11153-14 STANDARD; DNA; UNC; 2160
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Sequence 14, Application PC/TUS9311153
GENERAL INFORMATION:
                                                                                             TELECOMMUNICATION INFORMATION:
TELEPHONE: (202) 371-2600
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 2154 base pairs
TYPE: nucleic acid
STRANDEDNESS: both
TOPOLOGY: linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
                                                                                                                                                                                                                                                                    Query Match 6.7%;
Best Local Similarity 63.7%;
Matches 221; Conservative
                                                                                    CLASSIFICATION:
                                                                                                                                                                                                                         NAME/KEY: CDS
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Sequence 1, Application US/08012988A
Sequence 1, Application US/08012988A
Patent No. 5652133
GENERAL INFORMATION:
APPLICANT: Murphy, Philip M.
TITLE OF INVENTION: Cloning and Expression of Human
TITLE OF INVENTION: Marcphage Inflammatory Protein-1 alpha (MIP-1
TITLE OF INVENTION: alpha)/RANTES Receptor
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     203 TGTGCTCCAAGAAGACGTGCGGAACTT-TAAAGCCTGGTTCCTCCTATCATGTACTCC 261
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      322 AAGAGGCTCAAGACCATGACCGATACCTACCTGCTCAACCTGGCGGTGGCAGACATCCTC 381
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           439 GTCCACTITIGCAAGCTCATCTITGCCATCTACAAGAIGAGCTTCTTCAGTGGCATGCTC 498
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Pred. No. 2.18e-38;
0; Mismatches 122; Indels
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SEQUENCE 2160 BP; 490 A; 646 C; 545 G; 479 T; 0 OTHER
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  US-08-012-988A-1 STANDARD; DNA; UNC; 2156 BP
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/977,452
FILING DATE: 17-NOV-1992
ATTORNEY/AGENT INFORMATION:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  190 TTTTATAAGAAGGCCAGGTCTATGACAGACGTCTATCTCTTGAACATGGCCATTGCAGAC 249
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              183 TACTCCTTGGTATTTGTCATTGGCCTGGTTGGAAACATCCTGGTGGTCCTGGTCCTTGTG 242
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Gaps
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ADDRESSEE: Townsend and Townsend Khourie and Crew STREET: One Market Plaza, Steuart Tower, Suite 2000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                0; Mismatches 116; Indels
                                                                COMPUTER EAGABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/012,988A
FILING DATE: 19930128
CLASSIFICATION: 43.5
ATTORNEY/AGENT INFORMATION:
NAME: Weber, Kenneth A.
REFERENCE/DOCKET NUMBER: 15280-118
TELECOMMUNICATION INFORMATION:
TELECHONE: 415-543-5043
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 2156 base pairs
TYPE: NUCLEIC ACID
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                      LOCATION: 63..1128
SEQUENCE 2156 BP; 538 A; 547 C; 504 G; 567 T; 0 OTHER.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Ouery Match 5.5%; Score 61; DB 1; L. Best Local Similarity 60.4%; Pred. No. 9.02e-28; Matches 177; Conservative 0; Mismatches 116
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РСТ-US93-11153-23 STANDARD; DNA; UNC; 2751 BP.
                                                                                                                                                                                                                                                                                                                                                                                       NAME/KEY: primer_bind
LOCATION: complement (868..884)
                                                                                                                                                                                                                                                                                                                   TOPOLOGY: linear MOLECULE TYPE: DNA (genomic)
                                                                                                                                                                                                                                                                                                                                                     primer_bind
259..275
                        San Francisco
California
                                                                                                                                                                                                                                                                                                                                                                                                                           NAME/KEY: CDS
                                                           94610
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                                               COUNTRY:
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ID PC
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DE SE
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944 ATCCTTTTTCCTCCTAATTCTTCCCTTCTGGGCCTACAGCGAAGCCAA--GTCC-TGGATC 1000
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   824 TATTCTGTCATCTGCTTCGTGGGCCTGCTGCAACGGGGTGGTGATACTGACGTACATC 883
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       310 ITCAGCAATGCCACGTGCAAGTTGCTAAAAGGCATCTATGCCATCAACTTTAACTGCGGG 369
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            130 TACTCCTTGATCTGTGTTCTTGGCCTCCTGGGGAATATTCTGGTGGTGATCACCTTTGCT 189
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       3; Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            884 TATTTCAAGAGGCTCAAGACCATGACGGATACCTACCTGCTCAACCTGGCCGTGGCAGAC
APPLICANT: Gray, Patrick W.
APPLICANT: Schweikart, Vicki L.
TITLE OF INVENTION: Novel Seven Transmembrane Receptors
NUMBER OF SEQUENCES: 64
CORRESPONDENCE ADDRESS:
ADDRESSE: Marshall, O'Toole, Gerstein, Murray &
ADDRESSEE: Bicknell,
STREET: 6300 Sears Tower, 233 South Wacker Drive
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Score 62; DB 2; Length 2751;
Pred. No. 1.61e-28;
0; Mismatches 105; Indels
                                                                                                                                                                                                        ZIP: 60606

ZIP: 60606

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION NUMBER: PCT/US93/11153
FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              NAME/KEY: polyA_signal
LOCATION: 2341..2348
SEQUENCE 2751 BP; 651 A; 747 C; 684 G; 669 T; 0 OTHER.
                                                                                                                                                                                                                                                                                                                                                                                                                                                         CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/977,452
FILING DATE: 17-NOV-1992
ATTORNEY/AGENT INFORMATION:
NAME: NOIANG, Greta E.
REGISTRATION NUMBER: 35,302
REFERENCE/DOCKET NUMBER: 31794
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TELEPRONE: (312) 474-6300
TELEFAX: (312) 474-6448
TELERX: 25-3856
INFORMATION FOR SEQ ID NO: 23:
SEQUENCE CHARACTERISTICS:
LENGTH: 2751 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TOPOLOGY: linear MOLECULE TYPE: DNA (genomic)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match
Best Local Similarity 63.1%;
Matches 185; Conservative
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692..1768
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LOCATION: 1..691
                                                                                                                                                                              CITY: Chicago
STATE: Illinois
COUNTRY: USA
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LOCATION:
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LOCATION:
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Sequence 23, Application PC/TUS9311153 Sequence 23, Application PC/TUS9311153 GENERAL INFORMATION:

Godiska, Ronald

APPLICANT:

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TELEFAX: (677) 542-8906
TELEX: 200154
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         APPLICATION NUMBER: 07, FILING DATE: 09-JUL-91
PRIOR APPLICATION DATA: APPLICATION NUMBER: 07,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             nucleic acid
                                                                                                            1424 YYYYYYYYY 1433
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1061 AIGCIGCICCIATGCAICAGCAITGACCGCIACGIAGCCAICGICCAGGC 1113
        370 AIGCIGCICCTGACTIGCATIAGCATGGACCGGTACATCGCCATIGTACAGGC 422
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SEQUENCE 7218 BP; 1944 A; 1491 C; 1486 G; 1929 T; 368 OTHER.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            5.2%; Score 58; DB 1; Length 7218; 0.8%; Pred. No. 1.54e-25; ative 211; Mismatches 156; Indels
                                                                                                                                                                                                                                                                  SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/232,463
                                                                                                                  APPLICANT: DORNER, F.
APPLICANT: SCHEIFLINGER, F.
APPLICANT: FALKNER, F. G.
IIILE OF INVENTION: RECOMBINANT FOWLPOX VIRUS
NUMBER OF SEQUENCES: 52
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                       30472/114 IMMU
                                                      US-08-232-463-14 STANDARD; DNA; UNC; 7218 BP
                                                                                                                                                                        E: Foley & Lardner
1800 Diagonal Road, Suite 500
                                                                                                                                                                                                                                                                                                                                         EP 91 114 300.6
                                                                                                                                                                                                                                                                                           FILING DATE:
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/07/935,313
                                                                                                                                                                                                            COUNTRY: USA
2IP: 22313-0299
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                               Sequence 14, Application US/08232463
Sequence 14, Application US/08232463
Patent No. 5670367
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                              29,768
                                                                                                                                                                                                                                                                                                                                                                                               TELECOMMUNICATION INFORMATION:
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INFORMATION FOR SEQ ID NO: 14:
SEQUENCE CHARACTERISTICS:
LENGTH: 7218 base pairs
                                                                                                                                                                                                                                                                                                                                                  FILING DATE: 26-AUG-1991
ATTORNEY/AGENT INFORMATION:
NAME: BENT, Stephen A.
REGISTRATION NUMBER: 29,7
                                                                                                                                                                                                                                                                                                                                                                                       REFERENCE/DOCKET NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                 (703)683-4109
                                                                                                                                                                                                                                                                                                                                                                                                                                                               nucleic acid
EDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Conservative
                                                                                                                                                                                                                                                                                                                                 FILING DATE: APPLICATION NUMBER:
                                                                                                                                                                                           CITY: Alexandria STATE: VA
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201 GGCCAGGTCTATGACAGACGTCTATCTTGAACATGGCCATTGCAGACATCCTCTTGT 260
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       STATE: Massachusetts
COUNTRY: U.S.A.
ZIP: 02110-2804
COMPUTER: EADABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
COMPUTER: IBM PS/2 Model 502 or 555X
OPERATING SYSTEM: IBM P.C. DOS (Version 3.30)
SOFTWARE: WordPerfect (Version 5.0)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US95/03032
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           APPLICANT: Repligen Corporation
APPLICANT: The Trustees of Boston University
TITLE OF INVENTION: ANTIBODIES TO INTERLEUKIN
TITLE OF INVENTION: METHODS OF USE
NUMBER OF SEQUENCES: 9
CORRESPONDENCE ADDRESS:
STREET: Fish & Richardson
STREET: 225 Franklin Street
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PCT-US95-03032-1 STANDARD; DNA; UNC; 1200 BP.
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PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE: 02-MAY 94
PRIOR APPLICATION NUMBER: 08/210,250
FILING DATE: 15-MAR-94
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/803,842
FILING DATE: 09-DEC-91
PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 1, Application PC/TUS9503032
Sequence 1, Application PC/TUS9503032
GENERAL INFORMATION:
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ATTORNEY/AGENT INFORMATION:
NAME: Fasse, J. Peter
REGISTRATION NUMBER: 32,983
REFERENCE/POCKET NUMBER: 0476
TELECOMMUNICATION INFORMATION:
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                                                                                                   Gaps
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                                                            Length 1200
                                                                                               0; Mismatches 110; Indels
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Sequence 1, Application PC/TUS9202977
GENERAL INFORMATION:
APPLICANT: Navario, Javier et al.
TITLE OF INVENTION: INTERLEUKIN-8 RECEPTORS AND TITLE OF INVENTION: METHODS NUMBER OF SEQUENCES: 5
CORRESPONDENCES: 5
CORRESPONDE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  OPERATING SYSTEM: IBM P.C. DOS (Version 3.30)
SOFTWARE: WORDErfect (Version 5.0)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US92/02977
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION OF 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/685,101
ATTORNEY/AGENT INFORMATION:
NAME: Clark, Paul T.
REGISTRATION NUMBER: 30,162
TOPOLOGY: linear
SEQUENCE 1200 BP; 234 A; 366 C; 295 G; 303 T; 2 OTHER
                                                        Score 57; DB 2;
Pred. No. 8.47e-25
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    PCT-US92-02977-1 STANDARD; DNA; UNC; 1200 BP
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TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 542-5070
TELEPHONE: (617) 542-8906
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      STATE: Massachusetts
COUNTRY: U.S.A.
ZIP: 02110-2804
COMPUTER READABLE FOMM:
MEDLUM TYPE: 3.5" Diskette, 1.44 Mb
COMPUTER: IBM PS/2 Model 502 or 555X
OPERATING SYSTEM: IBM P.C. DOS (Versi
                                                      Query Match 5.1%;
Best Local Similarity 62.1%;
Matches 185; Conservative
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INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS
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180 TITITATAAGAAGGCCAGGTCTATGACAGACGTCTATCTCTTGAACATGGCCATTGCAGA 248
                                                                                                                                                                                                                                                                                                                                                                       249 CAICCICITIGITATICITACICICCCAITCIGGGCAGIGAGICAIGCCACIGGIGCGIGGGT 308
                                                                                                                                                                                                                                                                                                                                                CCTGCTTTTTGCCCTGACCATGCCTATCTGGGCCGTCTC-CAAGGAAAAAG-GC-TGGAT 433
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                                                                                                3; Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         369 GATGCTGCTCTGACTTGCATTAGCATGGACGGTACATCGCCATTGTACAGGCGACT 426
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                494 AATCCTGCTCCTGGCCTGCATCAGTGTGGACCGCTACCTGGCCATTGTCCATGCTACT 551
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Sequence 3, Application PC/TUS9500476
GENERAL INFORMATION:
APPLICANT: THE REGENTS Of the University of California TITLE OF INVENTION:
APPLICANT: PROPERIAN MONOCYTE CHEMOATTRACTANT ITLE OF INVENTION: PROTEIN RECEPTORS
                                                Length 1200;
                                             Score 53; DB 2; Length 1200
Pred. No. 7.35e-22;
0; Mismatches 112; Indels
SEQUENCE 1200 BP; 235 A; 366 C; 296 G; 301 T; 2 OTHER.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ZIP: 90012-2628
COMPUTER READABLE FORM:
MEDION TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US95/00476
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                NUMBER OF SEQUENCES: 14
CORRESPONDENCE ADDRESS:
ADDRESSEE: Robbins, Berliner & Carson
STREET: 201 N. Figueroa Street, 5th Floor
CITY: Los Angeles
STATE: California
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     .T. 10
PCT-US95-00476-3 STANDARD; DNA; UNC; 1979 BP.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         CLASSIFICATION:
CLASSIFICATION:
NAME: Berliner, Robert
REGISTRATION NUMBER: 20,121
REFERENCE/DOCKET NUMBER: 5555
TELECOMMUNICATION INFORMATION:
TELEPHONE: 310-977-1001
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       INFORMATION FOR SEQ ID NO: SEQUENCE CHARACTERISTICS: LENGTH: 1979 base pairs
                                             Query Match 4.7%;
Best Local Similarity 61.4%;
Matches 183; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TELEFAX: 310-977-1003
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STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         linear
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FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      COUNTRY:
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FILING DATE: 10-APR-91
ATTORNEY/AGENT INFORMATION
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   NAME/KEY: CDS
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                                                                                                                284 AAACIGCAAAAAGCIGAAGIGCITGACIGACAITIACCIGCICAACCIGGCCAICICIGA 343
                                                                                                                                                                                                  401 CITIGGGAAIGCAAIGIGCAAATIAIICACAGGGCIGIAICACAICGGIIAIIIIGGCGG 460
                                                     Gaps
                                                                                                                                                         344 TCTGCTTTTTCTTATTACTCTCCCATTGTGGGC--TCACTC-TGCTGCAAATGAGTGGGT
                                                                                                                                                                                                                                                      369 GATGCTGCTGCATTGCATTAGCATGGACGGTACATCGCCATTGTACAGGC 422
                                                                                                                                                                                                                                          461 AATCTTCTTCATCATCCTCCTGACAATCGATAGATACCTGGCTATTGTCCATGC 514
                                                     3;
                                                                                                                                                                                                                                                                                                                                                                  APPLICANT: The Regents of the University of California TITLE OF INVENTION: MAMMALIAN MONOCYTE CHEMOATTRACTANT TITLE OF INVENTION: PROTEIN RECEPTORS
                               Length 1979;
                                                    0; Mismatches 111; Indels
LOCATION: 81..1160
SEQUENCE 1979 BP; 530 A; 435 C; 451 G; 563 T; 0 OTHER.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENY APPLICATION DATA:
APPLICATION NUMBER: PCT/US95/00476
                                                                                                                                                                                                                                                                                                                                                                                                NUMBER OF SEQUENCES: 14
CORRESPONDENCE ADDRESS:
ADDRESSEE: Robbins, Berliner & Carson
STREET: 201 N. Figueroa Street, 5th Floor
CITY: Los Angeles
STATE: California
                              Score 51; DB 2; Louis Pred. No. 2.10e-20;
                                                                                                                                                                                                                                                                                            J. 11
PCT-US95-00476-1 STANDARD; DNA; UNC; 2232
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                                                                                                                                                                                                                                                                                                                                    Sequence 1, Application PC/TUS9500476
Sequence 1, Application PC/TUS9500476
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                CLASSIFICATION:
ATTORNEY/ACENT INFORMATION:
NAME: BETLINER, ROBER: 20,121
RECISTRATION NUMBER: 20,121
REFERENCE/DOCKET NUMBER: 5555-
TELECOMMUNICATION INFORMATION:
TELEPHONE: 310-977-1001
TELEFAX: 310-977-1003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      SEQUENCE CHARACTERISTICS:
LENGTH: 2232 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                INFORMATION FOR SEQ ID NO:
                                Query Match 4.6%;
Best Local Similarity 61.2%;
Matches 180; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TYPE: nucleic acid STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    COMPUTER READABLE FORM:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TOPOLOGY: linear MOLECULE TYPE: CDNA HYPOTHETICAL: NO
                                                                                                                                                                                                                                                                                                                                                          GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                         90012-2628
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ANTI-SENSE: NO
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                                                                                                                            Gaps
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Sequence 2, Application PC/TUS9503032
Sequence 2, Application PC/TUS9503032
Sequence 2, Application PC/TUS9503032
SEPERAL INFORMATION:
APPLICANT: Repliqen Corporation
APPLICANT: the Trustees of Boston University
TITLE OF INVENTION: ANTIBODIES TO INTERLEUKIN-8 RECEPTORS AND
TITLE OF INVENTION: METHODS OF USE
NUMBER OF SEQUENCES: 9
CORRESPONDENCES: 9
CORRESPONDENCE ADDRESS:
ADDRESSEE: Fish & Richardson
STREET: 225 Franklin Street
                                                                                                                                                                                                                                                                                                                                                                 303 TCTGCTTTTTCTTATTACTCTCCCATTGTGGGC--TCACTC-TGCTGCAATGAGTGGGT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                360 CITIGGGAAIGCAAIGIGCAAAITAITCACAGGGCIGIAICACAICGGIIAITIIGGCGG
                                                                                                                                                                                                                                                                  243 AAACTGCAAAAAGCTGAAGTGCTTGACTGACATTTACCTGCTCAACCTGGCCATCTCTGA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            420 AATCTICITCATCATCCTCCTGACAATCGATAGATACCTGGCTATTGTCCATGC 473
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                                                                          Length 2232;
                                                                     Score 51; DB 2; Length 2232
Pred. No. 2.10e-20;
0; Mismatches 111; Indels
                        SEQUENCE 2232 BP; 602 A; 464 C; 508 G; 658 T; 0 OTHER.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           COMPUTER: IBM PS/2 Model 502 or 555X OPERATING SYSTEM: IBM P.C. DOS (Version 3.30) SOFTWARE: WordPerfect (Version 5.0)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 .T 12
PCT-US95-03032-2 STANDARD; DNA; UNC; 1176
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MEDIUM TYPE: 3.5" Diskette, 1.44 MD
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US95/03032
FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            APPLICATION NUMBER: 08/210,250
FILING DATE: 15-WAR-94
PRIOR APPLICATION DATA: APPLICATION NUMBER: 07/803,842
FILING DATE: 09-DEC-91
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APPLICATION NUMBER: 07/726,606
FILING DATE: 09.JUL-91
APPLICATION NUMBER: 07/685,101
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APPLICATION NUMBER: 08/237,937
PRIOR DATE: 02-MAY-94
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/210,250
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                CITY: Boston
STATE: Massachusetts
COUNTRY: U.S.A.
ZIP: 02110-2804
                                                                     Query Match
Best Local Similarity 61.2%;
Matches 180; Conservative
40..1161
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Pred. No. 5.83e-19;
0; Mismatches 116; Indels
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Sequence 6, Application PC/TUS9202977
GENERAL INFORMATION:
APPLICANT: Navarro, Javier et al.
TITLE OF INVENTION: INTERLEUKIN-8 RECEPTORS AND TITLE OF INVENTION: RELATED MOLECULES AND TITLE OF INVENTION: METHODS
NUMBER OF SEQUENCES: 5
CORRESPONDENCE ADDRESSS:
ADDRESSEE: Fish & Richardson STREET: 225 Franklin Street
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    CITY: Boston
STATE: Massachusetts
CONTRY: U.S.A.
ZIP: 0210-2804
ZOMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 Diskette, 1.44 Mb
COMPUTER: IBM PS/2 Model 502 or 555X
OPERATING SYSTEM: IBM P.C. DOS (Version 3.30)
SOFTWARE: WordPerfect (Version 5.0)
CURRENT APPLICATION NUMBER: PCT/US92/02977
FILING DATE: 19920410
                                                                                                                                                                                                                                                  TOPOLOGY: linear SEQUENCE 1176 BP; 247 A; 333 C; 279 G; 317 T; 0 OTHER.
NAME: Fasse, J. Peter
REGISTRATION NUMBER: 32,983
REFERENCE/DOCKET NUMBER: 04766/015W01
TELECOMMUNICATION INFORMATION:
TELEPRONE: (617) 542-5070
TELEFAX: (617) 542-8906
TELEX: 200154
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            T 13
PCT-US92-02977-6 STANDARD; DNA; UNC; 1373 BP
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Best Local Similarity 60.6%;
Matches 183; Conservative
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                                                                                                                                                                                                           TYPE: nucleic acid
STRANDEDNESS: sing
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AC 425
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Sequence 3, Application PC/TUS9503032
GENERAL INFORMATION:
APPLICANT: Repligen Corporation
APPLICANT: The Trustees of Boston University
TITLE OF INVENTION: ANTIBODIES TO INTERLEUKIN-8 RECEPTORS AND
TITLE OF INVENTION: METHODS OF USE
NUMBER OF SEQUENCES: 9
CORRESPONDENCES: PROBRESS:
ADDRESSEE: Fish & Richardson
STREET: 225 Franklin Street
                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match 4.4%; Score 49; DB 2; Length 1373; Best Local Similarity 60.7%; Pred. No. 5.83e-19; Matches 181; Conservative 0; Mismatches 114; Indels
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STATE: Massachusetts
COUNTR: U.S.A.
ZIP: 02110-2804
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 Diskette, 1.44 Mb
COMPUTER: IBM PS/2 Model 502 or 553X
OPERATING SYSTEM: IBM P.C. DOS (Version 3.30)
SOFTWARE: Wordberfect (Version 5.0)
CURRENT APPLICATION NUMBER: PCT/US95/03032
                                                                                                                                                                                                                                                                                                                                                         TOPOLOGY: linear
SEQUENCE 1373 BP; 266 A; 437 C; 329 G; 335 T; 6 OTHER
                                                           NAME: Clark, Paul T.
REGISTRATION NUMBER: 30,162
REPERENCE/POCKET NUMBER: 00231/051002
TELECOMMUNICATION INFORMATION:
TELEFAX: (617) 542-5070
TELEFAX: 200154
INFORMATION FOR SEQ ID NO: 6
SEQUENCE CHARATERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        7T 14
PCT-US95-03032-3 STANDARD; DNA; UNC; 1373 BP
07/685,101
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PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/237,937
                 FILING DATE: April 10, 1 ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                               LENGTH: 1373
TYPE: NUCLEIC ACID
STRANDEDNESS: single
APPLICATION NUMBER:
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Search completed: Sat Nov 14 00:39:04 1998 Job time: 145 secs.
  COUNTRY:
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Sequence 2, Application US/08202056
Sequence 2, Application US/08202056
Patent No. 5440021
GENERAL INCRMATION:
APPLICANT: Churtharapai, Anan APPLICANT: Hebert, Caroline APPLICANT: Lee, James
TITLE OF INVENTION: Antibodies to Human IL-8 Type B Receptor NUMBER OF SEQUENCES: 8
CORRESPONDENCE ADDRESS:
ADDRESSEE: Genentech, Inc.
                                                                                                                                                                                                                                                                                                                                                                                                                               3;
                                                                                                                                                                                                                                                                                                                                                                                                   Length 1373;
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Pred. No. 5.83e-19;
0; Mismatches 114; Indels
                                                                                                                                                                                                                                                                                                                                                         TOPOLOGY: linear
SEQUENCE 1373 BP; 266 A; 437 C; 329 G; 335 T; 6 OTHER.
                                                PRILING DATE: 17 PARK 94

PRILING DATE: 07 PARK 94

APPLICATION NUMBER: 07/803,842

FILING DATE: 09-DEC-91

PRIOR APPLICATION NUMBER: 07/26,606

FILING DATE: 09-JUL-91

PRIOR APPLICATION NUMBER: 07/685,101

APPLICATION NUMBER: 07/685,101

APPLICATION NUMBER: 07/685,101

APPLICATION NUMBER: 32,983

RESTRENCE/POCKET NUMBER: 32,983

RESTRENCE/POCKET NUMBER: 32,983

RESTRENCE/POCKET NUMBER: 32,983

RELEPRANTION NUMBER: 32,983
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US-08-202-056-2 STANDARD; DNA; UNC; 1883 BP
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STREET: 460 Point San Bruno Blvd
CITY: South San Francisco
STATE: California
           PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/210,250
FILING DATE: 15-MAR-94
 FILING DATE: 02-MAY-94
                                                                                                                                                                                                                                                                                                                                                                                                   Query Match
Best Local Similarity 60.7%;
Matches 181; Conservative
                                                                                                                                                                                                                                                                                                                 LENGTH: 1373
TYPE: nucleic acid
STRANDEDNESS: single
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130 ATCGCCTATGCCCTAGTGTTCCTGCTGGTGGTGGAAACTCCCTGGTGATGCTGGTC 189
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4.4%; Score 49; DB 1; Length 1883;
Best Local Similarity 60.6%; Pred. No. 5.83e-19;
Matches 183; Conservative 0; Mismatches 116; Indels 3; Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TOPOLOGY: linear
SEQUENCE 1883 BP; 408 A; 528 C; 472 G; 475 T; 0 OTHER
                                                 MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk COMPUTER: IBM PC compatible
                                                                                           OPERATING SYSTEM: FC-LUCS/INS LUC
SOFTWARE: patin (denentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/202,056
FILING DATE: 25-FEB-1994
CLASSIFICATION: 436
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/677211
FILING DATE: 29-MAR-1991
ATTORNEY/AGENT INFORMATION:
NAME: LOVE, Richard B.
REGISTRATION NUMBER: 34,659
REFERENCE/DOCKET NUMBER: 706P3
TELECOMMINICATION INFORMATION:
TELEFAN: 415/952-9881
TELEFAN: 415/952-9881
TELEFAN: 910/371-7168
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 1883 bases
TYPE: nucleic acid
STRANDEDNESS: single
                      COMPUTER READABLE FORM:
                                                                          COMPUTER: IBM PC OPERATING SYSTEM:
94080
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(HH)
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Release 3.1A John F. Collins, Biocomputing Research Unit. Copyright (c) 1993-1998 University of Edinburgh, U.K. Distribution rights by Oxford Molecular Ltd

n.a. - n.a. database search, using Smith-Waterman algorithm MPsrch_nn Sat Nov 14 00:39:25 1998; MasPar time 901.46 Seconds 1314.048 Million cell updates/sec Run on:

Tabular output not generated.

>US-08-887-977-9 (1-1119) from US08887977.seq 1119 Description: Perfect Score: N.A. Sequence: Title:

......AGAAAGCTGAGTCTCCCTAA 1119 1 ATGTTTTCGACTCCAGTGAA. TACAAAAGCTGAGGTCACTT.

TABLE default Gap 6 Scoring table:

1639711 seqs, 529296662 bases x 2

Dbase 0; Query 0

STD :

Nmatch

Searched:

Minimum Match 0% Listing first 45 summaries Post-processing:

Database:

n-pending 1:P9 2:U6000 3:U6001 4:U6002 5:U6003 6:U6004 7:U6005 8:U6006 9:U6007 10:U6008 11:U7 12:U80 13:U81 14:U82 15:U83 16:U84A 17:U84B 18:U85 19:U86 20:U87 21:U88 22:U89 23:U9AA 24:U9OB 25:U91 26:NEWP 27:NEWD6 28:NEWU7 29:NEWU8 30:NEWU9

Mean 10.319; Variance 3.340; scale 3.090 Statistics:

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

CTRANABLES

		•		SUMMAKIES		
Result No.	Score	& Query Match	* Query Match Length DB	IJ	Description	Pred. No.
; -	1119	100.0	1119 19	US-08-675-	Sequence 7, Applicatio	0.00e+00
7	1119	100.0	1119 21	US-08-887-	ď	0.00e+00
m	1104	98.7	1255 23	US-09-023-	993	0.00e+00
4	1104	98.7	1679 23	US-09-016-	Sequence 1097, Applica	0.00e+00
Ŋ	1070	95.6	1137 23	US-09-023-	Sequence 970, Applicat	0.00e+00
ø	246	22.0	375 20	OS-08-706-	٠.,	4.84e-269
7	96	8.6	578 19	US-08-624-	Н	2.29e-80
α	96	8.6	578 18	US-08-569-	Sequence 14, Applicati	2.29e-80
σ	92	6.8	383 16	US-08-446-	Sequence 8, Applicatio	1.19e-56
10	16	6.8	383 16	US-08-446-	Sequence 8, Applicatio	1.19e-56
디	16	6.8	383 16	US-08-446-	æ '8	1.19e-56
17	76	6.8	383 15	US-08-311-	8,	1.19e-56
13	16	6.8	383 17	US-08-451-	Sequence 8, Applicatio	1.19e-56
14	92	6.8	383 16	US-08-446-	Sequence 8, Applicatio	1.19e-56
15	75	6.7	1500 23	US-09-023-	Sequence 1465, Applica	1.74e-55
16	75	6.7	1900 14	US-08-245-	Sequence 18, Applicati	1.74e-55

75 6.7 2058 II US-07-977 Sequence 6, Applicatio 1.74e-55 6.7 2058 I4 US-08-245 Sequence 6, Applicatio 1.74e-55 6.7 2154 II US-07-980 Sequence 1, Applicatio 1.74e-55 75 6.7 2154 II US-07-980 Sequence 1, Applicatio 1.74e-55 75 6.7 2154 II US-07-980 Sequence 1, Applicatio 1.74e-55 75 6.7 2154 II US-07-980 Sequence 1, Applicatio 1.74e-55 75 6.7 2154 II US-07-980 Sequence 1, Applicatio 1.74e-55 75 6.7 2154 23 US-09-016 Sequence 1094, Applicatio 1.74e-55 75 6.7 2154 23 US-09-016 Sequence 1214, Applicatio 1.74e-55 75 6.7 2154 23 US-09-016 Sequence 1214, Applicatio 1.74e-55 77 100 10 US-08-245 Sequence 14, Applicatio 1.74e-55 78 19 US-08-624 Sequence 14, Applicatio 1.74e-55 78 19 US-08-617 Sequence 14, Applicatio 5.61e-44 65 5.8 333 16 US-08-416 Sequence 8, Applicatio 5.61e-44 65 5.8 333 16 US-08-416 Sequence 8, Applicatio 5.61e-44 65 5.8 333 16 US-08-416 Sequence 8, Applicatio 5.61e-44 65 5.8 333 16 US-08-416 Sequence 8, Applicatio 5.61e-44 65 5.8 333 16 US-08-416 Sequence 1095, Applicatio 5.61e-44 65 5.8 333 16 US-08-416 Sequence 1095, Applicatio 1.86e-39 61 5.5 1094 22 US-08-016 Sequence 10.90 Applicatio 1.86e-39 61 5.5 1495 13 US-08-016 Sequence 10.90 Applicatio 1.86e-39 61 5.5 1495 13 US-08-016 Sequence 1190, Applicatio 1.86e-39 61 5.5 1495 13 US-08-016 Sequence 65, Applicatio 1.86e-39 61 5.5 1495 13 US-08-016 Sequence 65, Applicatio 1.86e-39 61 5.5 1495 13 US-08-016 Sequence 65, Applicatio 1.86e-39 61 5.5 2085 14 US-08-023 Sequence 65, Applicatio 1.86e-39 61 5.5 2085 14 US-08-045 Sequence 1190, Applicatio 1.86e-39 61 5.5 2085 14 US-08-045 Sequence 130, Applicatio 1.86e-39 61 5.5 2085 14 US-08-045 Sequence 130, Applicatio 1.86e-39 61 5.5 2085 14 US-08-045 Sequence 130, Applicatio 1.86e-39 61 5.5 2085 14 US-08-045 Sequence 130, Applicatio 1.86e-39 61 5.5 2085 14 US-08-045 Sequence 130, Applicatio 1.86e-39 61 5.5 2085 14 US-08-045 Sequence 130, Applicatio 1.86e-39 62 5.8 2085 14 US-08-045 Sequence 130, Applicatio 1.86e-39 62 5.8 2085 14 US-08-045 Sequence 130, Applicatio 1.86e-39 62 5.8 208 245 Sequence 130, Applica	ALIGNMENTS T. 1 US-08-675-814-7 STANDARD; DNA; UNC; 1119 BP. ***********************************
0 0 102020202020202020202020202020202020	RESULT ACXXXXX ACXXXXXX DT SEQUEN DT SEQUEN CC SEQUEN CC SEQUEN CC SEQUEN CC CC SEQUEN CC CC CON CC CC CON CC

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                                                                                                                1 ATGITITCGACTCCAGTGAAGATTATTTTGTGTCAGTCAATACTTCATATTACTCAGTTG
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                                                                            Length 1119;
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                                             LOCATION: 1..1098
SEQUENCE 1119 BP; 262 A; 268 C; 257 G; 332 T; 0 OTHER.
                                                                         Score 1119; DB 19;
Pred. No. 0.00e+00;
0; Mismatches 0;
                                                                         Query Match 100.0%;
Best Local Similarity 100.0%;
Matches 1119; Conservative
single
        TOPOLOGY: linear MOLECULE TYPE: CDNA
STRANDEDNESS:
                          FEATURE:
NAME/KEY:
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ATCTTGAAGGACCTGTGTGTGTGAAGGAAGTACAAGTCCTCAGGCTTCTCCTGTGCC
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APPLICANT: Gish, Kurt C.
APPLICANT: Gish, Kurt C.
APPLICANT: Schall, Thomas J.
APPLICANT: Vicari, Albart
TITLE OF INVENTION: MANMALIAN CHEMOKINE REAGENTS
NUMBER OF SEQUENCES: 19
CORRESPONDENCE ADDRESS:
ADDRESSE: DNAX Research Institute
STREET: 901 California Avenue
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               NAME/KEY: CDS
LOCATION: 1..1095
SEQUENCE 1119 BP; 262 A; 268 C; 257 G; 332 T; 0 OTHER.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   SOFTWARE: Patentin Release #1.0, Version #1.30 CURRENT APPLICATION DATA: APPLICATION NUMBER: US/08/887,977
                                                                                                                                         1081 TCGTCCTTCACTATGTGATAGAAAGCTGAGTCTCCCTAA 1119
                                                                                                                                                       1081 TCGTCCTTCACTATGTGATAGAAAGCTGAGTCTCCCTAA 1119
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Best Local Similarity 100.0%; Pred. No. 0.00e+00;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     PRIOR APPLICATION
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 60/021,644
FILING DATE: 05-UL-1996
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 60/028,329
FILING DATE: 11-OCT-1996
ATTORNEY ASENT INFORMATION:
NAME: Ching, Edwin P.
REGISTRATION NUMBER: 34,090
RESISTRATION NUMBER: 34,090
RESISTRATION NUMBER: A090
REFERENCE/DOCKET NUMBER: DX0589K1
TELEPHONE: 650-852-9192
                                                                                                                                                                                                                     US-08-887-977-9 STANDARD; DNA; UNC; 1119
                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ZIP: 94304-1104
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IB PR Compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                             Sequence 9, Application US/08887977
Sequence 9, Application US/08887977
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INFORMATION FOR SEQ ID NO: 9
SEQUENCE CHARACTERISTICS:
LENGTH: 1119 base pairs
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STATE: California
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STRANDEDNESS:
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CLONE: 91668737
SEQUENCE 1255 BP; 302 A; 294 C; 284 G; 375 T; 0 OTHER.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                          COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Word Perfect 6.1 for Windows/MS-DOS
CURRENT APPLICATION DATA:
                 1081 TCGTCCTTCACTATGTATAGAAAGCTGAGTCTCCCTAA 1119
1081 TCGTCCTTCACTATGTGATAGAAAGCTGAGTCTCCCTAA 1119
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Pred. No. 0.00e+00;
0; Mismatches 4;
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                                                                                                              STANDARD; DNA; UNC; 1255
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NAME: Zeller, Karen J.
REGISTATION NUMBER: 37,071
REFERENCE/DOCKET NUMBER: PA-0001 US
TELECOMMUNICATION INFORMATION:
TELEPHONE: (650) 845-4166
INFORMATION FOR SEQ ID NO: 993:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                E: INCYTE PHARMACEUTICALS, 3174 PORTER DRIVE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              APPLICATION NUMBER: US/09/023,655
                                                                                                                                                                                                                        APPLICANT: Cocks, Benjamin G.
APPLICANT: Susan G. Stuart
APPLICANT: Jeffrey J. Seilhamer
TITLE OF INVENTION: COMPOSITION FO
TITLE OF INVENTION: EXPRESSION
NUMBER OF SEQUENCES: 1508
CORRESPONDENCE ADDRESS:
                                                                                                                                                                 Sequence 993, Application US/09023655
Sequence 993, Application US/09023655
GENERAL INFORMATION:
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Local Similarity 99.6%;
les 1114; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   PRIOR APPLICATION DATA: APPLICATION NUMBER:
                                                                                                                                                                                                                                                                                                                                                            ADDRESSEE: INCYTE P
STREET: 3174 PORTER
CITY: PALO ALTO
STATE: CALIFORNIA
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          FILING DATE:
CLASSIFICATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                          USA
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US-09-023-655-993
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                                                                                                                                                                                                                                                                                                                                                                                                                                                          94304
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TITLE OF INVENTION: COMPOSITION FOR THE DETECTION OF SIGNALING TITLE OF INVENTION: PATHWAY GENE EXPRESSION NUMBER OF SEQUENCES: 1490
CORRESPONDENCE ADDRESS: ADDRESS: ADDRESS: NCYTE PHARMACEUTICALS, INC.

Jeffrey J. Seilhamer

E: INCYTE PHARMACEUTICALS, 3174 PORTER DRIVE

STREET: 3174 PORTER CITY: PALO ALTO STATE: CALIFORNIA COUNTRY: USA ZIP: 94304

6.2

COMPOURER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: WOLD Perfect 6.1 for Windows/MS-DOS

APPLICATION NUMBER: US/09/016,434 FILING DATE: HEREWITH

PRIOR APPLICATION DATA: APPLICATION NUMBER:

FILING DATE:

CLASSIFICATION:

CURRENT APPLICATION DATA:

US-08-887-977-9.rnp

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    GTTGTGTGGGGGGTGTCAGCATCATCTCCAGCTCAACTTTTGTCTTCAACCAAAAATAC
                                                                                                                              GITGIGIGGGGCCTGTCAGCTCATCTCCCAGCTCAACTITTGTCTTCAACCAAAAATAC
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                                                                                                                                                                 TGGAAGCTGCTGATGTTGGGGCTTGAGCTACTCTTTGGTTTCTTTATCCCTTTGATGTTC
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268
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REFERENCE/DOCKET NUMBER: PA-0002
TELECOMMUNICATION INFORMATION:
TELEPHONE: (650) 855-0555
TELEPHONE: (650) 845-4166
INFORMATION FOR SEQ ID NO: 1097:
SEQUENCE CHARACTERISTICS:
LENGTH: 1679 base pairs

TYPE: nucleic acid

GENBANK linear

LIBRARY:

IMMEDIATE SOURCE STRANDEDNESS:

NAME: Zeller, Karen J. REGISTRATION NUMBER: 37,071 CLASSIFICATION: ATTORNEY/AGENT INFORMATION:

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                                                         Length 1679;
                                                                                              Indels
CLONE: 91245058
SEQUENCE 1679 BP; 404 A; 385 C; 381 G; 509 T; 0 OTHER
                                                     Query Match 98.7%; Score 1104; DB 23; Best Local Similarity 99.6%; Pred. No. 0.00e+00; Matches 1114; Conservative 0; Mismatches 4;
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7. 4 US-09-016-434-1097 STANDARD; DNA; UNC; 1679

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RESULT ID US DT XX DT XX CC XX CC XC

Sequence 1097, Application US/09016434 Sequence 1097, Application US/09016434 GENERAL INFORMATION:

Janice Au-Young

APPLICANT:

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628 IGGAAGCIGCIGAIGIIGGGGCIIGAGCIACICIIIIGGIIITCIIIIITCCCIIIGAIGIIC 687
                                                                                                     ATTORNEY AGENT INFORMATION:
NAME: Zeller, Karen J.
REGISTATION NUMBER: 37,071
REFERENCE/DOCKET NUMBER: PA-0001 US
TELECOMMUNICATION INFORMATION:
TELEPHONE: (650) 855-0555
TELEPHONE: (650) 845-4166
INFORMATION FOR SED ID NO: 970:
SEQUENCE CHARACTERISTICS:
LENGTH: 1137 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                          as
                               US/09/023,655
OPERATING SYSTEM: PC-DOS/MS-DOS SOFTWARE: Word Perfect 6.1 for N
                                                                                                                                                                                                                                                                    CLONE: 91515434
SEQUENCE 1137 BP; 263 A; 270
                  CURRENT APPLICATION DATA.
APPLICATION NUMBER: US
FILING DATE: HEREWITH
CLASSIFICATION:
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Best Local Similarity 98.6%;
Matches 1095; Conservative
                                                               PRIOR APPLICATION DATA:
APPLICATION NUMBER:
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                                                                                    FILING DATE:
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Sequence 970, Application US/09023655
GENERAL INFORMATION:
APPLICANT: Cocks, Benjamin G.
APPLICANT: Susan G. Stuart
APPLICANT: Jeffrey J. Sellhamer
ITILE OF INVENTION: COMPOSITION FOR THE DETECTION OF BLOOD CELL GENE
TITLE OF INVENTION: EXPRESSION
NUMBER OF SEQUENCES: 1508
CORRESPONDENCE ADDRESS:
ADDRESSEE: INCYTE PHARMACEUTICALS, INC.
STREET: PALO ALTO
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                     AACACCCAAGGCAGCGATGTCTGTGAACCCAAGTACCAGACTGTCTCGGAGCCCATCAGG
                                                                                                         TGGAAGCTGCTGATGTTGGGGCTTGAGCTACTCTTTGGTTTCTTTATCCCTTTGATGTTC
                                                                                                                                                 CACAAAGCCATCCGTGTAATCATAGCTGTGGTGCTTGTGTTTTCTGGCTTGTCAGATTCCT
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                                                     GTTGTGGGGGCTGTCAGTCATCACTCAGCTCAACTTTTGTCTTCAACCAAAATAC
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IBM PC compatible
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COMPUTER: IN
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 6.2
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Windows/MS-DOS
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Pred. No. 0.00e+00;
0; Mismatches 13;
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241 CICCCIAA 248
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                                                                                                                                    688 ATGATATITIGITACACGITCATIGICAAAACCITGGIGCAAGCICAGAATICIAAAAGG
                                                                                                                     748 CACAAAGCCATCCGTGTAATCATAGCTGTGGTGCTTGTGTTTCTGGCTTGTCAGATTCCT
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APPLICATION NUMBER: US/08/706,765
FILING DATE: HEREWITH
CLASSIFICATION 375
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 60/004,808
FILING DATE: SEPTEMBER 29, 1995
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   US-08-706-765-3273 STANDARD; DNA; UNC; 375 BP.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       1080 GTCGTCCTTCACTATGTGATAGAAAGCTGA 1109
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Sequence 3273, Application US/08706765
GENERAL INFORMATION:
APPLICAMT: Stuart, Susan G.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              EL C., Ph.D.
39,132
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COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IEM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
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61 GGCAGAAGTINAGAAACTACTITCIGAAGAICTIGAAGGACCTGIGGTGTGTGAGAAGGA 120
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C Sequence 14, Application US/08624190
C GENERAL INFORMATION:
APPLICANT: KAVANAUGH PH.D., MICHAEL
APPLICANT: WILLIAMS PH.D., LEWIS T.
TITLE OF INVENTION: SIGNALLING INOSITOL POLYPHOSPHATE
TITLE OF INVENTION: 5-PHOSPHATASE
NUMBER OF SEQUENCES: 38
CORRESPONDENCE ADDRESS:
ADDRESSEE: CHIRON CORPORATION
STREET: A560 HORTON STREET
CITY: EMERYVILLE
STATE: CA
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                                                                                                                                                                                                                                                                                            Length 375;
                                                                                                                                                                                                                                                                                                                                 2; Indels
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ZIP: 94608
ZOPERATOR READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC COMPATIBLE
OMPUTER: IBM PC COMPATIBLE
OFFRATING SYSTEM: PC-DOS/MS-DOS
SOFFWARE: PATEMIT Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/624,190
                                                                                                                                                                                                            IMMEDIATE SOURCE:
CLONE: 319589
SEQUENCE 375 BP; 103 A; 83 C; 93 G; 94 T; 2 OTHER.
                                                                                                                                                                                                                                                                                        Score 246; DB 20;
Pred. No. 4.84e-269;
                                                                                                                                                                                                                                                                                                                                 0; Mismatches
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ATTORNEY/AGENT INFORMATION:
NAME: GREEN, GRANT
REGISTRATION NUMBER: 31,259
REFERENCE/DOCKET NUMBER: 1182.003
REFERENCE/DOCKET NUMBER: PD-0067
            TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 845-0555
INFORMATION FOR SEQ ID NO: 3273:
SEQUENCE CHARACTERISTICS:
LENGTH: 375 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE IYPE: CDNA
                                                                                                                                                                                                                                                                                        Query Match 22.0%;
Best Local Similarity 99.2%;
Matches 246; Conservative
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: :: | | ::: :::: ::: ::| 255 GAGGATGT-CTGCAATGGCCATGTTCAAG 228
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MOLECULE TYPE:
                                                                                                    94608
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                                                                               COUNTRY:
                                                     STATE:
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Sequence 14, Application US/08569578

GENERAL INFORMATION

GENERAL INFORMATION

APPLICANT: RAVANAUGH PH.D., MICHAEL

APPLICANT: WILLIAMS PH.D., LEWIS T.

TILLE OF INVENTION: IDENTIFICATION, CLONING, AND USE OF

TILLE OF INVENTION: SHC-ASSOCIATED INOSITOL POLYPHOSPHATASE

TITLE OF INVENTION: (SAPTASE)

NUMBER OF SEQUENCES: 3

CORRESPONDENCE ADDRESS:

ADDRESSEE: CHIRON CORPORATION
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      241 RRKVHTATYRRIRDKYAYIKKAIGMKYNSWCDRVWKSYVHVVCSYGSISDMISDHSVAIA 300
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           GVTSVSKNGGTVDSGRCYAIKTKSTKYHSSCSVKSGNGSGVVKGTKKSDYDHS-KSSDSD 359
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       SYGGCARATTYTHHGTGHGKTSGKTRKYDVKTRDSSGKTKSTSHDMKWVTSRACSGSST 419
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           NNYMGVGGMHVKTSDTAWSYDKDSGCRGSTGSKKSTANRGRTSRSDGKNAGDTDTKMNYG 479
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      122 RDDSADYHDYVGTDSKWKHSTSVTKTVAHTWNRVVAKHNRSHCTDNVKTGANTGNKGAVG 181
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                                                                                                                                                                                                                                                                                                                                                       Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              182 VSMNGTSGVNSHTSGSK-KRRNNYMNRAGDKKSNTHRTHWGDNYRVDTWATKKYADSHDT
                                                                                                                                                                                                                                                                                                                                                     7;
                                                                                                                                                                                                                                                                                            Query Match
8.6%; Score 96; DB 19; Length 578;
Best Local Similarity 12.7%; Pred. No. 2.29e-80;
Matches 72; Conservative 264; Mismatches 226; Indels
                                                                                                                                                                                                                       MOLECULE TYPE: protein
SEQUENCE 578 BP; 37 A; 11 C; 62 G; 65 T; 403 OTHER.
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                    TELEPHONE: 510-601-2706
TELEFAX: 510-655-3542
INFORMATION FOR SEQ ID NO: 14:
SEQUENCE CHARACTERISTICS:
LENGTH: 578 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TELECOMMUNICATION INFORMATION
                                                                                                                                                                                                     linear
                                                                                                                                                                                                     TOPOLOGY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             XXXXXX
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373 GCATCCCGCAGTTAAAGT-TGATGGCATAGATGCCTTTTAGCAACTTGCACGTGGCATTG 315
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         RDDSADYHDYVGTDSKWKHSTSVTKTVAHTWNRVVAKHNRSHCTDNVKTGANTGNKGAVG 181
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 301 GVTSVSKNGGTVDSGRCYATKTKSTKYHSSCSVKSGNGSGVVKGTKKSDYDHS-KSSDSD 359
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           360 SYGGCARATIYITHHGTGHGKISGKIRKYDVKTRDSSGKIKSISHDMKWVTSRACSGSST 419
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               420 NNYMGVGGMHVKTSDTAWSYDKDSGCRGSTGSKKSTANRGRTSRSDGKNAGDTDTKMNYG 479
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   480 SSSKARKDSKMRKCGSSVTKAADRGGGKVARRSTCSSSAGRAAGGDKSGKKTVSSAVAKR 539
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            792 GACCATGITAIGAGGAAICIGACAAGCCAGAACACACAAGCACCACAGCIAIGA-IIACAC 734
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        3 SARVRISSRDSGRRVGANNAVSKSISSSDKVKAHGSHRSVIVKASGKMKVDVSGKKKSKD 62
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          7; Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                182 VSMNGTSGVNSHTSGSK-KRRNNYMNRAGDKKSNTHRTHWGDNYRVDTWATKKYADSHDT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match 8.6%; Score 96; DB 18; Length 578; Best Local Similarity 12.7%; Pred. No. 2.29e-80; Matches 72; Conservative 264; Mismatches 226; Indels
                                                                                                                                                                                COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/569,578
FILING DATE: 08-DEC-1995
CLASSIFICATION: 514
ATTORNEY/AGENT INFORMATION:
NAME: GREEN, GRANT
REGISTRATION NUMBER: 31,259
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       MOLECULE TYPE: protein
SEQUENCE 578 BP; 37 A; 11 C; 62 G; 65 T; 403 OTHER
                                                                                                                                                                                                                                                                                                                                                                                                                                                     REFERENCE/DOCKET NUMBER: .1182.001
TELECOMUNICATION INFORMATION:
TELEPHONE: 510-601-2706
TELEFAX: 510-601-655-3542
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    INFORMATION FOR SEQ ID NO: 14: SEQUENCE CHARACTERISTICS: LENGTH: 578 base pairs TYPE: nucleic acid STRANDEDNESS: single
: 4560 HORTON STREET EMERYVILLE
                                                                                                                                                                Floppy disk
                                                                                                                                     COMPUTER READABLE FORM: MEDIUM TYPE: Floppy
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US-08-887-977-9. up

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309 AACCCACGCACCAGTGGCATGACTGACTGCCCAGAATGGGAGAGTAAGAACAAAGAGGAT 250
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        CLASSIFICATION: 530
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/311,703
FILING DATE: 23-SEP-1994
CLASSIFICATION: 530
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/786,063
FILING DATE: 31-OCT-1991
CLASSIFICATION: 530
ATTORNEY/AGENT INFORMATION:
NAME: Granahan, Patricia
REGISTRATION NUMBER: 32,227
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               REFERENCE/DOCKET NUMBER: WHI91-09FZ TELECOMMUNICATION INFORMATION: TELEPHONE: 617-861-6240
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/446,936
                                                                                                                                                                                                    Sequence 8, Application US/08446938 Sequence 8, Application US/08446938 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TELEFAX: 617-861-9540 INFORMATION FOR SEQ ID NO: SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         LENGTH: 383 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Best Local Similarity 11.1%;
Matches 40; Conservative
                                                                                                                                                                                                                                                                                                                                                                                   Massachusetts
                                                                                                                                                                                                                                                                                                                                                                       CITY: Lexington
                                                                                                                                                                                                                                                                                                                                                                                               COUNTRY: U.S.A. ZIP: 02173
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                    STATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        128 TIAGTCGCCTGTACAATGGCGATGTACCGGTCCATGCTAATGCAAGTCAGGAGCAGCATC 369
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        CGCAGTTAAAGTTGATGGCATAGATGCCTTTTAGCAACTT-GCACGTGGCATTGCTGAA 310
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  196 DRKDSDNKHNTARKTGKYWTAHAKGNYTRHVSWDRNVGSSARGSHHSDHTCGRKMVHRDK 255
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       136 STWTGKTRKMSHCADDRSDSSTCANNNHNTDTVGKGRAVYKAKKNTSTVAVKYDHYASWK 195
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     16 HVWTRASTHVKSVNNDMYTDNNGAVKCKCDVRSTCDNKSCMSNCSTSCKVCVAVWRKNDN 75
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               4; Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Length 383;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   / Match 6.8%; Score 76; DB 16; Length 383; Local Similarity 11.1%; Pred. No. 1.19e-56; nes 40; Conservative 172; Mismatches 143; Indels
                                                                                                                                                               Type Receptor cDNAs Encoded
                                                                                                        APPLICANT: Lin, Herbert Y.
APPLICANT: Wang, Xiao-Fan
APPLICANT: Welnberg, Robert A.
APPLICANT: Welnberg, Robert A.
APPLICANT: Lodish, Harvey F.
TITLE OF INVENTION: TGF- Type Receptor CDNAs Encode
TITLE OF INVENTION: Products and Uses Therefor
NUMBER OF SEQUENCES: 8
ADDRESSED: Hamilton, Brook, Smith & Reynolds, P.C.
STREET: Two Militia Drive
                                                                                                                                                                                                                                                                                      COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOSTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/446,939
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              MOLECULE TYPE: DNA (genomic)
SEQUENCE 383 BP; 27 A; 25 C; 26 G; 34 T; 271 OTHER.
                              US-08-446-939-8 STANDARD; DNA; UNC; 383 BP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ATTORNEY/AGENT INFORMATION:
NAME: Granahan, Patricia
REGISTRATION NUMBER: 32,227
REFERENCE/DOCKET NUMBER: WH191-09FX
TELECOMUNICATION INFORMATION:
TELEPHONE: 617-861-6240
TELEPHAX: 617-861-9540
                                                                                                                                                                                                                                                                                                                                                                               FILING DATE:
CLASSIFICATION: 530
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/311,703
FILING DATE: 23-SEP-1994
CLASSIFICATION: 530
                                                                                                                                                                                                                                                                                                                                                                                                                                                          PRIOR APPLICATION DATA:
APPLICATION WUMBER: US 07/786,063
FILING DATE: 31-0CT-1991
CLASSIFTCATION: 530
                                                                      Sequence 8, Application US/08446939 Sequence 8, Application US/08446939 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TELEFAX: 617-861-9040
INFORMATION FOR SEQ ID NO: 8: SEQUENCE CHARACTERISTICS: LENGTH: 383 base pairs TYPE: nucleic acid TYPE: nucleic acid
                                                                                                                                                                                                                  linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     FILING DATE: 31 CLASSIFICATION:
                                                                                                                                                                                                                                                                         02173
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                     RESULT
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249 GTCTGCAATGGCCATGTTCAAGAGATAGACGTCTGTCATAGACCTGGCCTTCTTATAAAA 190
256 SSNVKNDTCCCDGSRGYSSVDDANSGVGTARYMAV-SRMNNASKTDVYSMAVWMTSRCNA 314
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     16 HVWTRASTHVKSVNNDMVTDNNGAVKCKCDVRSTCDNKSCMSNCSTSCKVCVAVWRKNDN 75
                                                                                                                                           4
                                                                                                                                                                                                                                                                                                                                                                                                                                        APPLICANT: Mang, Xiao-Fan
APPLICANT: Wang, Xiao-Fan
APPLICANT: Walnberg, Robert A.
APPLICANT: Welnberg, Robert A.
APPLICANT: Lodish, Harvey F.
TITLE OF INVENTION: TGF- Type Receptor cDNAs Encoded
TITLE OF INVENTION: Products and Uses Therefor
NUMBER OF SEQUENCES:
ADDRESSEE: Hamilton, Brook, Smith & Reynolds, P.C.
STREET: Two Militia Drive
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           COMPOTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPOTER: IBM FO Compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
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MOLECULE TYPE: DNA (genomic)
SEQUENCE 383 BP; 27 A; 25 C; 26 G; 34 T; 271 OTHER.
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US-08-446-938-8 STANDARD; DNA; UNC; 383 BP.
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INFORMATION FOR SEQ ID NO:
                                                              Matches
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TTVCHDKYHDDAASKCMKKKKGTMCSCSSDCNDNSYNTSNDVVTGSGVASVYCYRVNRKS 135
                            428 Tragtcgccrgracaarggcgargraccggrccargcraargcaagrcaggagcagcarc 369
                                                                            368 CCGCAGTTAAAGTTGATGGCATAGATGCCTTTTAGCAACTT-GCACGTGGCATTGCTGAA 310
                                                                                                                       196 DRKDSDNKHNTARKTGKYWTAHAKGNYTRHVSWDRNVGSSARGSHHSDHTCGRKMVHRDK 255
                                                                                                                                          309 AACCCACGCACCAGGCATGACTCACTGCCCAGAATGGGAGAGTAAGAACAAAAGGGT 250
                                                                                                                                                                                   256 SSNVKNDTCCCDGSRGYSSVDDANSGVGTARYMAV-SRMNNASKTDVYSMAVWMTSRCNA 314
                                                                                                                                                                                                     315 VGVKDYGSKVRDVVSMKDNVRDRGTRNSSWNHGMVCTTCWDHDARTACVARSHDRSGRS 373
                                                          136 STWTGKTRKMSHCADDRSDSSTCANNNHNTDTVGKGRAVYKAKKNTSTVAVKYDHYASWK
                                                                                                                                                                                                                                                                                                                                                                                                                               APPLICANT: Lin, Herbert Y.
APPLICANT: Wang, Xiao-Fan
APPLICANT: Weinberg, Robert A.
APPLICANT: Lodish, Harvey F.
TITLE OF INVENTION: TGF- TYPE Receptor CDNAs Encoded
TITLE OF INVENTION: Products and Uses Therefor
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          NUMBER OF SEQUENCES: 8
CORRESPONDENCE ADDRESS:
ADDRESSEE: Hamilton, Brook, Smith & Reynolds, P.C.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           SOFTWARE: Patentin Release #1.0, Version #1.25 CURRENT APPLICATION DATA: APPLICATION NUMBER: US/08/446,936
                                                                                                                                                                                                                                                                                                                                      US-08-446-936-8 STANDARD; DNA; UNC; 383 BP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       CLASSIFICATION: 530
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/311,703
FILING DATE: 23.5EP-1994
CLASSIFICATION: 530
PRIOR APPLICATION NATA:
APPLICATION NUMBER: US 07/786,063
FILING DATE: 31-0CT-1991
CLASSIFICATION: 530
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IEM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              CLASSIFICATION: 530
ATTORNEY/AGENT INFORMATION:
NAME: Granahan, Patricia
REGISTRATION NUMBER: 32,227
REFERENCE/DOCKET NUMBER: WHI9
TELECOMMUNICATION INFORMATION:
TELEPHONE: 617-861-6240
TELETAX: 617-861-9540
                                                                                                                                                                                                                                                                                                                                                                                    Sequence 8, Application US/08446936
Sequence 8, Application US/08446936
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     STREET: Two Militia Drive
CITY: Lexington
STATE: Massachusetts
COUNTRY: U.S.A.
ZIP: 02173
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TELEFAX: 617-861-9540 INFORMATION FOR SEQ ID NO: SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          LENGTH: 383 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
                                                                                                                                                                                                                                                                                                                                                                                                                    GENERAL INFORMATION:
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                                                                                                                                                                                                                       76 ITVCHDKYHDDAASKCMKKKKGTMCSCSSDCNDNSYNTSNDVVTGSGVASVYCYRVNRKS 135
                                                                                                                                                                                                                                                                                                                                                                                                   136 STWTGKTRKMSHCADDRSDSSTCANNNHNTDTVGKGRAVYKAKKNTSTVAVKYDHYASWK 195
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                                                                                                                                                                                         16 HVWTRASTHVKSVNNDMVTDNNGAVKCKCDVRSTCDNKSCMSNCSTSCKVCVAVWRKNDN 75
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        315 VGVKDYGSKVRDVVSMKDNVRDRGTRNSSWNHGMVCTTCWDHDARTACVARSHDRSGRS 373
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Gaps
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APPLICANT: Lin, Herbert Y.
APPLICANT: Wang, Xiao-Fan
APPLICANT: Weinberg, Robert A.
APPLICANT: Lodish, Harvey F.
TITLE OF INVENTION: TGF-Beta Type Receptor cDNAs Encoded
TITLE OF INVENTION: Products and Uses Therefor
NUMBER OF SEQUENCES: 8
CORRESPONDENCE ADDRESS:
ADDRESSEE: Hamilton, Brook, Smith & Reynolds, P.C.
STREET: Two Militia Drive
CITY: Lexington
STATE: Massachusetts
                                                                                    Length 383;
                                                                            Match 6.8%; Score 76; DB 16; Length 383 Local Similarity 11.1%; Pred. No. 1.19e-56; es 40; Conservative 172; Mismatches 143; Indels
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MOLECULE TYPE: DNA (genomic)
SEQUENCE 383 BP; 27 A; 25 C; 26 G; 34 T; 271 OTHER
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US-08-311-703-8 STANDARD; DNA; UNC; 383 BP
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PRIOR APPLICATION: 530

PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/786,063

FILING DATE: 31-0c7-1991

ATTORNEY/AGENT INFORMATION:
NAME: Grandhan, Petricia
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      REGISTRATION NUMBER: 32,227
REFERENCE/DOCKET NUMBER: WHI91-09
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              US/08/311,703
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   CURRENT APPLICATION DATA
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       COMPUTER: IBM PC
OPERATING SYSTEM:
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                                                                                 Query Match
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31-OCT-1991

FILING DATE:

US-08-887-977-9.rnp

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                                                                                                                                                                                           136 STWTGKTRKMSHCADDRSDSSTCANNNHNTDTVGKGRAVYKAKKNTSTVAVKYDHYASWK 195
                                                                                                                                                        487 ACACAACAAGGCAGATGATTTTGCTGCGCGGTAGTGTTCTGGATCGGAGCCG-GAATGAC 429
                                                                                                                                                                            76 TIVCHDKYHDDAASKCMKKKKGIMCSCSSDCNDNSYNTSNDVVTGSGVASVYCYRVRKS 135
                                                                                                                                                                                                                                                                 196 DRKDSDNKHNTARKTGKYWTAHAKGNYTRHVSWDRNVGSSARGSHHSDHTCGRKMVHRDK 255
                                                                                                                                                                                                                                                                                                           256 SSNVKNDTCCCDGSRGYSSVDDANSGVGTARYMAV-SRMNNASKTDVYSMAVWMTSRCNA 314
                                                                                                                                                                                                                                                                                                                                249 GTCTGCAATGGCCATGTTCAAGAGATAGACGTCTGTCATAGACCTGGCCTTCTTATAAA 190
                                                                                                                                 16 HVWTRASTHVKSVNNDMVTDNNGAVRCKCDVRSTCDNKSCMSNCSTSCKVCVAVWRKNDN 75
                                                                                                                                                                                                                                                                                                                                                      315 VGVKDYGSKVRDVVSMKDNVRDRGTRNSSWNHGMVCTTCWDHDARTACVARSHDRSGRS 373
                                                                                                                                                                                                                                                                                                                                                                   Gaps
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APPLICANT: Wang, Xiao-Fan
APPLICANT: Weinberg, Robert A.
APPLICANT: Weinberg, Robert A.
TITLE OF INVENTION: TGF- Type Receptor cDNAs Encoded
TITLE OF INVENTION: Products and Uses Therefor
NUMBER OF SEQUENCES: 8
CORRESPONDENCE: 8
ADDRESSEE: Hamilt
                                                                                         Length 383;
                                                                                     Ouery Match 6.8%; Score 76; DB 15; Length 383
Best Local Similarity 11.1%; Pred. No. 1.19e-56;
Matches 40; Conservative 172; Mismatches 143; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           STATE: Massachusetts
COUNTRY: U.S. A
STATE: Massachusetts
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  SOFTWARE: Patentin Release #1.0, Version #1.25 CURRENT APPLICATION DATA: APPLICATION NUMBER: US/08/451,946
                                          TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
SEQUENCE 383 BP; 27 A; 25 C; 26 G; 34 T; 271 OTHER.
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US-08-451-946-8 STANDARD; DNA; UNC; 383
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PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/311,703
FILING DATE: 23-SEP-1994
CLASSIFICATION: 530
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/786,063
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ZIP: 02173
COMPUTER READABLE FORM:
MEDUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence 8, Application US/08451946
Sequence 8, Application US/08451946
SEQUENCE CHARACTERISTICS:
LENGTH: 383 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
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                                                                                                                                                                                                                                                                                                                                                                                                                                XXXXXX
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487 ACACAACAAGGCAGATGATTTTGCTGCGCGGTAGTGTTCTGGATCGGAGCCG-GAATGAC 429
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        136 STWTGKTRKMSHCADDRSDSSTCANNNHNTDTVGKGRAVYKAKKNTSTVAVKYDHYASWK 195
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   DRKDSDNKHNTARKTGRYWTAHAKGNYTRHVSWDRNVGSSARGSHHSDHTCGRKMVHRDK 255
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  256 SSNVKNDTCCCDGSRGYSSVDDANSGVGTARYMAV-SRMNNASKTDVYSMAVWMTSRCNA 314
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        16 HVWTRASTHVKSVNNDMVTDNNGAVKCKCDVRSTCDNKSCMSNCSTSCKVCVAVWRKNDN 75
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   189 AGCAAAGGTGATCACC-ACCAGAATATTCCCCAGGAGGCCAAGAACACACAGATCAAGGAG 132
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       4; Gaps
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence 8, Application US/08446937
Sequence 8, Application US/08446937
GENERAL INFORMATION:
APPLICANT: Mang, Xiao-Fan
APPLICANT: Weinberr X.
APPLICANT: Weinberrg, Roberr A.
APPLICANT: Hodish, Harvey F.
TITLE OF INVENTION: TGF- Type Receptor CDNAs Encoded
TITLE OF INVENTION: Products and Uses Therefor
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match 6.8%; Score 76; DB 17; Length 383; Best Local Similarity 11.1%; Pred. No. 1.19e-56; Matches 40; Conservative 172; Mismatches 143; Indels
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Two Militia Drive
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PatentIn Release #1.0, Version #1.25
                                                                                                                                                                                                                                                                                                                                                                                                       MOLECULE TYPE: DNA (genomic)
SEQUENCE 383 BP; 27 A; 25 C; 26 G; 34 T; 271 OTHER
CLASSIFICATION: 530
ATTORNEY/AGENT INFORMATION:
NAME: Granahan, Patricia
REGISTRATION NUMBER: 32,227
REFERENCE/DOCKET NUMBER: WH191-09FV
TELECOMMUNICATION INFORMATION:
TELEFRONE: 617-861-6240
TELEFRX: 617-861-6240
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     7T 14
US-08-446-937-8 STANDARD; DNA; UNC; 383 BP
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MEDIUM TYPE: Floppy disk
                                                                                                                                                                                                      TELEFAX: 617-861-9540 INFORMATION FOR SEQ ID NO: SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                  LENGTH: 383 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ADDRESSEE: Hamilton,
STREET: Two Militia I
CITY: Lexington
STATE: Massachusetts
                                                                                                                                                                                                                                                                                                                                                                                TOPOLOGY: linear
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Search completed: Sat Nov 14 01:13:28 1998 Job time : 2043 secs.
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Sequence 1465, Application US/09023655
Sequence 1465, Application US/09023655
GENERAL INFORMATION:
APPLICANT: Cacks, Benjamin G.
APPLICANT: Susan G. Stuart
APPLICANT: Usefrey J. Seilhamer
TITLE OF INVENTION: COMPOSITION FOR THE DETECTION OF BLOOD CELL GENE
TITLE OF INVENTION: EXPRESSION
NUMBER OF SEQUENCES: 1508
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          428 TTAGTCGCCTGTACAATGGCGATGTACCGGTCCATGCTAATGCAAGTCAGGAGCAGCATC 369
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     487 ACACAACAAGGCAGATGATTTTGCTGCGGGTAGTGTTCTGGATCGGAGCCG-GAATGAC 429
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              196 DRKDSDNKHNTARKTGKYWTAHAKGNYTRHVSWDRNVGSSARGSHHSDHTCGRKMVHRDK 255
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                16 HVWTRASTHVKSVNNDMVTDNNGAVRCKCDVRSTCDNKSCMSNCSTSCKVCVAVWRKNDN 75
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Ouery Match 6.8%; Score 76; DB 16; Length 383;
Best Local Similarity 11.1%; Pred. No. 1.19e-56;
Matches 40; Conservative 172; Mismatches 143; Indels 4; Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      315 VGVKDYGSKVRDVVSMKDNVRDRGTRNSSWNHGMVCTTCWDHDARTACVARSHDRSGRS 373
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          189 AGCAAAGGTGATCACC-ACCAGAATATTCCCCAGGAGGCCAAGAACACAGATCAAGGAG 132
                                                                                                                                                                                                                                                                                                                                                                                                                     TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
SEQUENCE 383 BP; 27 A; 25 C; 26 G; 34 T; 271 OTHER
                   FILING DATE:
CLASSIFTCATION: 530
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/311,703
FILING DATE: 23-SEP-1994
CLASSIFICATION DATA:
APPLICATION NUMBER: US 07/786,063
FILING DATE: 31-0CT-1991
CLASSIFICATION NUMBER: US 07/786,063
FILING DATE: 31-0CT-1991
CLASSIFICATION NUMBER: 33,227
ATORNEY/AGENT INFORMATION:
NAME: GTANAHAMA PALTICIA
REFIRENCE/DOCKET NUMBER: 32,227
REFERENCE/DOCKET NUMBER: 31,624
TELEPHONE: 617-861-6240
INFORMATION FOR SEQ 15 10.01
SEQUENCE CHARACTERISTICS:
LENGTH: 33 Dase PAIRS
TYPE: nucleic acid
STRANDEDNESS: double
TYPE: nucleic acid
STRANDEDNESS: double
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US-09-023-655-1465 STANDARD; DNA; UNC; 1500 BP
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                APPLICATION NUMBER: US/08/446,937
CURRENT APPLICATION DATA
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  542 ATCATTIGITICGIGGCCTACTGGGCAAIGGGCTGGTCGTGTTGACCTAIATTTC 501
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC COMpatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Word Perfect 6.1 for Windows/MS-DOS 6.2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       SEQUENCE 1500 BP; 324 A; 457 C; 363 G; 356 T; 0 OTHER.
                                                                                                                                                                                                                                                                                                                                           CLASSIFICATION:
ATTORNEY/AGENT INFORMATION:
NAME: Zeller, Karen J.
REGISTRATION NUMBER: 37,071
REFERENCE/DOCKET NUMBER: PA-0001 US
TELECOMMUNICATION INFORMATION:
TELEFAX: (650) 845-4166
INFORMATION FOR SEQ ID NO: 1465:
SEQUENCE CHARACTERISTICS:
LENGTH: 1500 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                        CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/023,655
FILING DATE: HEREWITH
CLASSIFICATION DATA:
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
                                                                                     COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy
PALO ALTO
CALIFORNIA
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CLONE: 9673391
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                                           USA
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Release 3.1A John F. Collins, Biocomputing Research Unit. Copyright (c) 1993-1998 University of Edinburgh, U.K. Distribution rights by Oxford Molecular Ltd

protein - protein database search, using Smith-Waterman algorithm MPsrch_pp

Fri Nov 13 12:01:32 1998; MasPar time 11.52 Seconds 512.648 Million cell updates/sec Run on:

not generated. Tabular output

>US-08-887-977-10 Title:

1 MFSTPVKIILCQSILHITQL........NISRQTSETADNDNASSFTM 365 (1-365) from US08887977.pep 2779 Description: Perfect Score: Sequence:

PAM 150 Gap 11 Scoring table:

131922 seqs, 16180660 residues Searched:

Minimum Match 0% Listing first 45 summaries Post-processing:

a-geneseq32 Database:

| part| 2.part2 3.part3 4.part4 5.part5 6.part6 7.part7 8.part8 9.part9 10.part10 11.part11 12.part12 13.part13 14.part14 15.part15 16.part16 17.part17 18.part18 19.part19 20.part20 21.part21 22.part22 23.part22 25.part25 26.part26 27.part27 28.part28

Mean 34.572; Variance 151.305; scale 0.228 Statistics: Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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Result No.	Score	Query Match	Query Match Length DB	DB	Ð	Description	Pred. No.
-	2779	100 0	365	200	WA 8086	Himse Abendritio pell	1 210-255
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7	066	35.6	355	15	R80950	Recombinant high affi	3.34e-81
٣	066	35.6	355	φ	R28272	Sequence in a high af	3.34e-81
₹	984	35.4	350	12	R68811	Interleukin-8 recepto	1.26e-80
5	984	35.4	350	15	R80951	Recombinant high affi	1.26e-80
9	984	35.4	350	12	R80756	Interleukin 8 recepto	1.26e-80
7	983	35.4	350	'n	R27791	Interleukin-8 recepto	1.57e-80
œ	984	35.4	1060	14	R70123	IL8-R type 1-GBP 130	1.26e-80
6	965	34.7	358	12	R80952	Recombinant high affi	8.48e-79
10	961	34.6	358	11	R53745	Partial sequence of s	2.05e-78
11	961	34.6	410	1	R53743	Putative seven transm	2.05e-78
12	958	34.5	378	1	R53744	Putative seven transm	3.99e-78
13	951	34.2	355	7	R33420	Human IL-8 receptor f	1.88e-77
14	951	34.2	360	છ	R28273	Sequence in a low aff	1.88e-77
15	951	34.2	360	12	R80758	Interleukin 8 recepto	1.88e-77
16	951	34.2	1064	14	R70124	IL8-R type 2-GBP 130	1.88e-77
. 17	948	34.1	359	Ξ	R53747	Seven transmembrane r	3.65e-77
18	927	33.4	360	12	R80953	Recombinant high affi	3.79e-75

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Gaps ;

Length 365;

Score 2779; DB 29; Length 36 Pred. No. 1.21e-255; 0; Mismatches 0; Indels

Query Match 100.0%; Best Local Similarity 100.0%; Matches 365; Conservative

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Epstein Barr virus in 3.04e-75 Chemokine receptor K5 1.15e-74 Sequence in a lowh af 5.38e-74 G-protein coupled hum 3.93e-73 G-protein coupled hum 3.93e-73 Human MIP-1 alpha/RAN 1.03e-66 C-chemokine receptor 1.03e-66 Human G-protein chemo 3.95e-64 CC-chemokine receptor 1.07e-62 Human G-protein chemo 3.95e-64 CC-chemokine receptor 2.07e-62 Human consinophil edta 2.07e-62 CC-chemokine receptor 2.07e-62 Human Chemokine receptor 2.07e-62 Human CC-chemokine receptor 2.07e-62 Human CCR3 chemokine receptor 2.88e-62 Human CCR3. Human CC chemokine receptor 1.08e-60 Human CC chemokine receptor 1.51e-59 Human monocyte chemoa 1.09e-58 Human monocyte chemoa 1.09e-58 Human monocyte chemoa 1.09e-58	STNEE	e receptor. kine; TECK; MIP-3alpha; MIP-3beta; krophage; inflammation; asthma. ifiers. led by CAN" wang W, Zlotnik A; expressed chemokine - used for ons including asthma. ts human dendritic cell chemokine receptor. protein can be used in detecting or cal conditions related to expression cid can be used for screening and chemokines, especially from other used in the treatment of conditions as asthma.	
R54079 R99274 R28274 R42658 R425751 W25751 R53932 W19780 W03377 W27124 W03377 W27124 W27124 W27125 W27127 W27127 W27127 W27127 W27127 W27127 W27127 W27127 W27127 W27127	ALIGNMENT		,
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80901100004 40000000000000000000000000000		standard; Protein; 365 AA 1998 (first entry) endritic cell chemokine r. c) dendritic cell; macropiens. Location/Qualifi; ference 193 7-A2. 1997; U10819. 1997; U2-082329. 1997; U3-082329. 1996; US-08339. SCHERING CORP. SCHAIL TJ, Vicari A, Wainer,	,
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Monoclonal antibodies were raised against recombinant interleukin-8 (IL-8) receptor subtypes A and B from both human and rabbit sources (IL-8) receptor subtypes A and B from both human and rabbit sources (IL-8) receptor sources a high affainty receptor and the B subtype receptor (IL-8rh) is a low affainty receptor. The monoclonal antibody (mAb) pref. binds to the IL-8 binding domain thus blocking its activation. The mAbs are useful for treating inflammatory disorders (see key words) and for detecting the presence of neutrophils in a biological sample. The mAbs are also useful in the isolation of IL-8 receptors from a mixture.
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Recombinant high affinity interleukin-8 receptor subtype A.
Recombinant high affinity interleukin-8 receptor subtype A.
11-8A; IL-8B; receptor; monoclonal antibody; inflammatory disorder; anaphylaxis; systemic lupus erythematosus; rheumatoid arthritis; systemic necrotising vasculitis; psoriaais; asthma; allergy; ARDS; adult respiratory distress syndrome; neutrophil detection.
oryctolagus cuniculus.
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                                                                            N-PSDB; 099949.
Monoclonal antibody against recombinant IL-8 receptor polypeptide useful for treating inflammatory disorders, for detecting neutrophil(s) and for isolating IL-8 receptor from liq.mixt. Claim 2; Fig lA-B; 74pp; English.
                                                                                                                                                                                                                                                                                                                               clnpvlyafiggkfrnyflkilkdlwcvrrkykssgfscagrysenisrgtsetadndna
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Pred. No. 3.34e-81;
78; Mismatches 70; Indels 1
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Witt DT;
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larity 45.1%;
Conservative
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12-MAR-1994; US-210250.
02-MAY-1994; US-2237937.
(REPK ) REPLIGEN CORP.
(UYBO-) UNIV BOSTON.
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ches 130; Conserv
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Pred. No. 3.34e-81;
78; Mismatches 70; Indels 10; Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Recombinant mammalian interleukin-8 receptor - used for screening interleukin 8 binding antagonists, used to treat inflammation claim 2; Fig 1; 71pp; English.

Rabbit high affinity II-8 receptor gene was isolated from rabbit peritoneal neutrophils and used as a source of poly(A)+ RNA, to produce a rabbit neutrophil cDNA library. 250,000 recombinant plaques were screened for those which hybridized to an antisense oligonucleotide (030015). This probe was designed based on the sequence derived from the second transmembrane domain of G-proteincoupled receptors. After tertiary screening, six plaques were kb in size. This insert was sequenced. The protein deduced from
                                                                                                                                                                                                                                                                                                                                                   04-APR-1993 (first entry)
Sequence in a high affinity recombinant rabbit interleukin-8 (IL-8) receptor polypeptide in F3R.
IL-8 receptor polypeptide; G-protein-coupled receptor.
Oryctolagus cuniculus.
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R28272 standard; Protein; 355
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Similarity 45.1%;
30; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Thomas KM, Witt
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10-APR-1991; US-685101.
09-JUL-1991; US-726606.
09-DEC-1991; US-803842.
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WPI; 92-382123/46.
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15-MAR-1994; US-210250
02-MAY-1994; US-237937
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Disclosure; Page 51-54; 83pp; English.
A cDNA library constructed from human neutrophil mRNA in pRK5B was transfected into COS-7 cells, and the cells were screened with 1251-IL-8. The DNA sequence of isolated cDNA clone pRK5B.118rl.1, encopting human IL-8 receptor, is given in Q80520 and the predicted amino acid sequence in R688ll. The receptor is used to raise antibodies that neutralize the activity of PF4AR, e.g. IL-8 receptor.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   27 y-spcmletetlnkyvviiayalvfllsllgnslvmlvilysrvgrsvtdvyllnlalad 85
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Recombinant high affinity interleukin-8 receptor subtype A.
Il-88, IL-88, receptor; monoclonal antibody; inflammatory disorder;
anaphylaxis; systemic lupus erythematosus; rheumatoid arthritis;
systemic necrotising vasculitis; psoriasis; asthma; allergy; ARDS;
adult respiratory distress syndrome; neutrophil detection.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          202 KLIMLGLELLFGFFIPLMFWIFCYTFIVKTLVQAQNSKRHKAIRVIIAVVLVFLACQIPH
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                                                                                                                                                                Interleukin-8 receptor.
Interleukin-8 receptor: IL-8 receptor; PF4AR;
Interleukin-8 receptor: IL-8 receptor: neutrophil; chemotactic;
platelet factor superfamily receptor; neutrophil; chemotactic;
inflammation; inflammatory disease; arthritis; emphysema; cystic;
fibrosis; colitis; bronchitis; meningitis; therapeutic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Treatment of inflammatory disorders - by administering an antibody capable of binding a platelet factor 4 superfamily
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Length 350;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Match 35.4%; Score 984; DB 12; Length 35: Local Similarity 44.4%; Pred. No. 1.26e-80; Local 134; Conservative 76; Mismatches 80; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Hebert C, Kim KJ, Lee J;
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R80951 standard; Protein; 350 AA.
                                                                   R68811 standard; Protein; 350 AA
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07-JUN-1994; U06380.
11-JUN-1993; US-076093.
(GETH ) GENENTECH INC.
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09-MAR-1995; U03032.
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WPI; 95-036114/05.
N-PSDB; Q80520.
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WO9525126-A1.
                                                                                                                                                                                                                                                                                                                                                  Homo sapiens.
                                                                                                                                   18-JUL-1995
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                                                                                                   R68811;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             261
                                                                                                                                         Monoclonal antibody against recombinant IL-8 receptor polypeptide useful for treating inflammatory disorders, for detecting neutrophil(s) and for isolating IL-8 receptor from liq.mixt. Disclosure; Fig 2A-B; 74pp; English.

Disclosure; Fig 2A-B; 74pp; English.

Monoclonal antibodies were raised against recombinant interleukin-8 (IL-8) receptor subtypes A and B from both human and rabbit sources (R80950-53 encoded by Q9949-52). The A subtype receptor (IL-8TA) is a high affinity receptor and the B subtype receptor (IL-8TB) is a low affinity receptor. The monoclonal antibody (mAb) pref. binds to the IL-8 binding domain thus blocking its activation. The mAbs are useful for treating inflammatory disorders (see key words) and for detecting the presence of neutrophils in a biological sample. The mAbs are also useful in the isolation of IL-8 receptors from a mixtur
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       27 y-spcmletetinkyvviiayalvfilsilgnslvmlvilysrvgrsvtdvyllnlalad 85
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202 KLLMLGLELLFGFFIPLMFMIFCYTFIVKTLVQAQNSKRHKAIRVIIAVVLVFLACQIPH
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Score 984; DB 15; Length 350;
Pred. No. 1.26e-80;
76; Mismatches 80; Indels 12;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Interleukin 8 receptor A partial sequence.
Interleukin; IL-8; inflammation; psoriasis; dermatitis;
rheumatoid arthritis; inflammatory bowel disease;
                                                     Thomas KM;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     chronic lung inflammation; treatment; antibody; affinity purification; detection. USS44021-8.
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                                                        Navarro
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R80756 standard; Protein; 350 AA.
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                                                     Larosa GJ,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Best Local Similarity 44.48;
Matches 134; Conservative
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(REPK ) REPLIGEN CORP. (UXBO-) UNIV BOSTON.
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29-MAR-1991; US-677211.
25-FEB-1994; US-202056
                                                                                                   95-336945/43.
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LEE J.
                                                   Greenfield EA,
                                                                                                                             036660
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                                                                                    purificn.
Example 2; Columns 41-44; 62pp; English.
Antibodies directed against the interleukin-8 receptor B can be used to treat or prevent inflammation e.g. psoriasis, dermatitis, rheumatoid arthritis and particularly inflammatory bowel disease and chronic lung inflammation. When immobilised, these antibodies may be used to detect interleukin-8 receptor B expression in cells and tissues and for affinity purification of interleukin-8 receptor B from cells. A sequence encoding amino acids 23-314 of this fragment of the high affinity interleukin-8 receptor, was used to probe lambda gt10 cDNA libraries for the human interleukin-8 type B receptor.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               86 llfaltlpiwaaskvng-wifgtflckvvsllkevnfysgilllacisvdrylaivhatr 144
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        145 tltqk-rhl--vkfvclgcwglsmnlslpfflfrqayhpnnsspyc---yevlgndtakw 198
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N-PSDB; Q99006.
New antibodies against interleukin 8 type B receptor - used to trea
or prevent inflammation, also for detecting receptor expression and
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Interleukin-8 receptor.
IL-8R; G'protein coupled receptor family; rhodopsin superfamily;
pro-inflammatory cytokine.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Score 984; DB 15; Length 350;
Pred. No. 1.26e-80;
76; Mismatches 80; Indels 12;
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/label= transmembrane
/note= "putative"
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/note= "putative"
292..312
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/label- transmembrane
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/note= "putative"
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/note= "putative"
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match 35.4%;
Best Local Similarity 44.4%;
Matches 134; Conservative
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155..17
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14-FEB-1996 (first entry)
118-R type 1-GBP 130 fusion protein.
118-R type 1-GBP 130 fusion protein.
118-R type 1-GBP 130 fusion protein.
118-R type 1-GBP 130 fusion protein;
118-I type 1-GBP 130 fusion protein;
118-I type 1-GBPP 130;
118-I type 1-GBPP 130;
118-I type 1-GBPPP 130;
118-I type 1-GBPP 130;
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A cDNA library constructed from human neutrophil mRNA in the mammalian expression vector pRKSB was transfected into COS-7 cells as pools of 2500 clones. One positive pool from the first 58 transfections was partitioned into smaller pool from the first 58 transfections was partitioned into smaller pools until a pure clone (pRK5B.118r1.1) was obtained. The ORF encodes a protein of 350 amino acids which shares several features with the G-protein coupled receptors of the rhodopsin superfamily, including 7 hydrophobic (transmembrane) domains. The IL-8 receptor is a preferred PF4AR superfamily member of the invention. See also 029506 and 037107.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               polypeptide and corresp. antibodies and DNA - useful as diagnostic and screening agents, and for treating inflammation PF4AR-mediated disorders
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           76; Mismatches
/label - transmembrane
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                                               /note- "putative"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Match 35.4%;
Local Similarity 44.4%;
                                                                                                                                                                                                                                                                                                                                                       (GETH ) GENENTECH INC. Holmes WE, Lee J, Wood WI;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                134; Conservative
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03-SEP-1993, GB-018350.
23-AUG-1994, GB-017021.
(PRENY) PRENDERGAST K F.
                                                                                                                                                                                                   23-MAR-1992; U02317.
29-MAR-1991; US-677211.
19-DEC-1991; US-810782.
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N-PSDB; 029505.
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Best Local 8
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                                                                    Example A; Page 79-80; 93pp; English.

Example A; Page 79-80; 93pp; English.

Rybrid peptides for binding cytokines, comprising a malaria parasite
(Plasmodium falciparum) peptide (capable of binding to a red blood
(Plasmodium falciparum) peptide are claimed. R70103-25 are examples
(Plasmodium falciparum) peptides (R7013 is a fusion of interleukin B receptor
(I knee hybrid peptides. R70123 is a fusion of interleukin B receptor
(SPP 130). The use of cytokine
(SPP 130). The use of cytokine
(SPP 130) or SPPH (SPP homologue) are the prefect. malaria parasite peptides
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ILFVLTLPFWAVSHATGAWVFSNATCKLLKGIYAINFNCGMLLLTCISMDRYIAIVQATK 143
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     y-spcmletetlnkyvviiayalvfllsllgnslvmlvilysrvgrsvtdvyllnlalad 85
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    25 YCAPCRRSGSSPG-YLYRIAYSLICVLGLLGNILVVITFAFYKKARSMTDVYLLNMAIAD 83
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Recombinant high affinity interleukin-8 receptor subtype B. 11-8A; IL-8B; receptor; monoclonal antibody; inflammatory disorder; anaphylaxis; systemic lupus erythematosus; rheumatoid arthritis; systemic necrotising vasculitis; psoriasis; asthma; allergy; ARDS; adult respiratory distress syndrome; neutrophil detection.
                        New hybrid peptide(s) for binding cytokine(s) - comprising a malaria parasite peptide capable of binding a red blood cell and
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Score 984; DB 14; Length 1060;
Pred. No. 1.26e-80;
76; Mismatches 80; Indels 12;
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Similarity 44.4%;
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09-MAR-1995; U03032.
02-MAY-1994; US-210250.
02-MAY-1994; US-237937.
(REPK ) REPLICEN CORP.
(UYBO-) UNIV BOSTON.
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WO9525126-A1.
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Monoclonal antibody against recombinant IL-8 receptor polypeptide - useful for treating inflammatory disorders, for detecting neutrophil(s) and for isolating IL-8 receptor from liq.mixt.

Claim 6; Fig 3A-B; 74pp; English.

Monoclonal antibodies were raised against recombinant interleukin-8 (IL-8) receptor subtypes A and B from both human and rabbit sources (R80950-53 encoded by 099949-52). The A subtype receptor (IL-8RA) is a high affinity receptor and the B subtype receptor (IL-8RA) is a high affinity receptor. The monoclonal antibody (mAb) pref. binds to low affinity receptor. The monoclonal antibody (mAb) pref. binds to useful for treating inflammatory disorders (see key words) and for detecting the presence of neutrophils in a biological sample. The mabs are also useful in the isolation of IL-8 receptors from a mixture.
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Two primers (066148, 066149) were used to amplify human genomic DNA purified from leukocytes. Approximately 1000 clones were isolated after the initial amplification reation and probed with sequences specific for seven transmembrane receptors IJSR1, AT2R and R20. Clones which did not hybridise were then chosen for sequence analysis. Three new clones were identified that appeared to encode seven transmembrane receptor segments. Two more primers (Q66151, Q66151) were used to isolate a full length version of one of these clones designated V31 (See Q66153). This is the sequence encoded by exon 3 of the V31 genomic clone
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Primer; seven transmembrane receptor; receptor; amplification; PCR;
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17-NOV-1993.
17-NOV-1992; US-977452.
(ICOS-) ICOS CORP.
Godiska R, Gray PW, Schweickart VL;
WPI: 94-200564/24.
N-PSDB; Q66162.
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R53745 standard; Protein; 358 AA.
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Partial sequence of seven
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                                                                                                                                                         215 pllamsfcylviirtllgarnfernkaikviiavvvvflvfqlpyngvvlagtvanfnit 274
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                                             Example 2: Page 46-48; 100pp; English.

Example 2: Page 46-48; 100pp; English.

Two primers (060149) were used to amplify human genomic DNA purified from leukocytes. Approximately 1000 clones were isolated after the intial amplification reation and probed with sequences specific for seven transmembrane receptors IISR1, AT2R and R20.

Clones which did not hybridise were then chosen for sequence analysis. Three new clones were identified that appeared to encode seven transmembrane receptors segments. Two more primers (06615), 066152) were used to isolate a full length version of one of these clones, one of which was designated V31 and encoded this
                           Gaps
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Putative seven transmembrane receptor (V31).
Primer; seven transmembrane receptor; receptor; amplification; PCR; polymerase chain reaction
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       / Match 34.6%; Score 961; DB 11; Length 410; Local Similarity 45.7%; Pred. No. 2.05e-78; nes 134; Conservative 77; Mismatches 75; Indels
    Length 358;
Score 961; DB 11; Length 358
Pred. No. 2.05e-78;
77; Mismatches 75; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                               Godiska R, Gray PW, Schweickart VL;
WPI; 94-200264/24.
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 Query Match 34.6%;
Best Local Similarity 45.7%;
Matches 134; Conservative
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17-NOV-1993; U11153.
17-NOV-1992; US-977452.
(ICOS-) ICOS CORP.
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Prods. for use as therapeutic or diagnostic agents for conditions prods. for use as therapeutic or diagnostic agents for conditions involving the receptors.

Thoulving the receptors.

Claim 1; Page 52-53; 100pp; English.

A human cDNA encoding the seven transmembrane receptor V31 was isolated by first amplifying a partial cDNA clone from a human consil cDNA library using two primers (Q66154, Q66155). The resulting amplified products were probed using two radioactively labelied sequences (Q66156, Q66157). A hybridising band was isolated from the gel and cloned. The resulting clone was isolated from a peripheral blood mononuclear cell library using V31 specific primers (Q66159, Q66152).

Clone PBMC75 was isolated and the V31 cDNA insert in the clone was squence 378 AA;
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|: :::|| |: :::|| |: :::|| |: :::|| |: :::|| |: :::|| |: :::|| |: :::|| |: :::|| |: :::|| |: :::|| |: :::|| |: :::|| |: :::|| |: :::|| |: :::|| |: :::|| |: :::|| |: :::|| |: :::|| |: :::|| |: :::|| |: :::|| |: :::|| |: :::|| |: :::|| |: :::|| |: :::|| |: :::|| |: :::|| |: :::|| |: :::|| |: :::|| |: :::|| |: :::|| |: :::|| |: :::|| |: :::|| |: :::|| |: :::|| |: :::|| |: :::|| |: :::|| |: :::|| |: :::|| |: :::|| |: :::|| |: :::|| |: :::|| |: :::|| |: :::|| |: :::|| |: :::|| |: :::|| |: :::|| |: :::|| |: :::|| |: :::|| |: :::|| |: :::|| |: :::|| |: :::|| |: :::|| |: :::|| |: :::|| |: :::|| |: :::|| |: :::|| |: :::|| |: :::|| |: :::|| |: :::|| |: ::::|| |: ::::|| |: ::::|| |: :::|| |: ::::|| |: ::::|| |: ::::|| |: ::::|| |: ::::|| |: ::::|| |: ::::|| |: ::::|| |: ::::|| |: ::::|| |: ::::|| |: ::::|| |: ::::|| |: ::::|| |: ::::|| |: ::::|| |: ::::|| |: ::::|| |: ::::|| |: ::::|| |: ::::|| |: ::::|| |: ::::|| |: ::::|| |: ::::|| |: ::::|| |: ::::|| |: ::::|| |: ::::|| |: ::::|| |: ::::|| |: 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Primer; seven transmembrane receptor; receptor; amplification; PCR;
pllamsfcylviirtllgarnfernkaikviiavvvvfivfglpyngvvlggtvanfnit
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Human IL-8 receptor from clone p2.
Interleukin-8 receptor; probes; gene therapy; gro receptor; intracellula-calcium mobilising; ligand-binding; MIP-2 receptor.
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                                                                                                                                                                                                                                                                                                                               276 NRSCQSEKLIGYTKTVTEVLAFLHCCLNPVLYAFIGGKFRNYFLKILKDLWCV 328
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09-UNW-1994.

17-NOV-1993; U11153.

17-NOV-1992; US-977452.

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R53744 standard; Protein; 378
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   r 13
R33420 standard; Protein; 355
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larity 45.7%;
Conservative
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treat or prevent inflammation e.g. psoriasis, dermatitis,
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                                                                                                                                                                                                                                      rexpressed in Xenopus lagvis convicts or transfected host cells, for screening ligands of IL-8 receptor and gene therapy claim 1. Fig 3: 39pp; English.

Count in the converse of a sucrose gradient were made in UnixAp. The neutrophils sepd. of a sucrose gradient were made in UnixAp. The libraries were screened with F3R oligonucleotide probe (from rabbit in-8 receptor) and under low stringency with a p2 cDNA probe synthesised from random primers, to isolated the clone p2, encoding human IL-8 receptor protein. The presence or absence of the DNA ecoding IL-8R or related MIP-2 receptor may be detected using portions of the p2 clone as probes. P2 may also be used to screen for ligands of IL-8R in Phe IL-8R is a gro receptor and has intracellular calcium-mobilising and ligand-binding properties.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      7;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Recombinant mammalian interleukin-8 receptor - used for screening interleukin-8 binding antagonists, used to treat inflammation Disclosure; Fig 2; 71pp; English.
                                                                                                                                                                                                                     New interleukin-8 receptor aminoacid sequence - and corresp. cDNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Score 951; DB 7; Length 355;
Pred. No. 1.88e-77;
80; Mismatches 72; Indels 10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      recombinant human interleukin-8
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence in a low affinity recombinant human interleu) (IL-8) receptor polypeptide in 4AB. IL-8 receptor polypeptide; G-protein-coupled receptor.
                                                                                                                   (USSH ) US DEPT HEALTH & HUMAN SERVICE
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R28273 standard; Protein; 360 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Navarro J, Thomas KM, Witt DP;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      74.2%;
Local Similarity 43.8%;
Les 126; Conservative
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10-APR-1991; US-685101,
09-JUL-1991; US-726606,
09-DEC-1991; US-803842.
                                             01-APR-1993.
14-SEP-1992; U07641.
13-SEP-1991; US-759568.
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                                                                                                                                                                   93-117549/14.
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  sapiens
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Best Local &
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Rabbit high affinity IL-8 receptor gene was isolated from rabbit peritoneal neutrophils and used as a source of poly(A)+ RNA, to produce a rabbit neutrophil cDNA library. 250,000 recombinant placed to plaques were screened for those which hybridized to an antisense oligonucleotide (Q30015). This probe was designed based on the sequence derived from the second transmembrane domain of G-protein-coupled receptors. After tertiary screening, six plaques were coupled receptors. After tertiary screening, six plaques were isolated. The insert was sequenced. The protein deduced from the F3R clone demonstrates that it belongs to the family of G-protein-coupled receptors. The deduced protein sequence indicates seven putatuve transmembrane segments. A human peripheral blood leukocyte lambda gill cDNA library (5' stretch) was screened with a 652 bp Econl/BamHl fragment (including nucleotides several human clones which hybridized to the rabbit II-8 probe were isolated. The insert of one such clone, termed 4AB was sequence 360 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              49 yfvvilyalvfllsllgnslvmlvilysrvgrsvtdvyllnlaladillfaltlpiwaask 108
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Pred. No. 1.88e-77;
80; Mismatches 72; Indels 10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      282 iqetcerrnhidraldateilgilhsclnpliyafigqkfrhgllkil 329
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Match 34.2%;
Local Similarity 43.8%;
les 126; Conservative
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Disclosure; Columns 53-56; 62pp; English.
Antibodies directed against the interleukin-8 receptor B can be used to treat or prevent inflammation e.g. psoriasis, dermatitis,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               receptor - used to treat
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             New antibodies against interleukin 8 type B receptor - used to treat or prevent inflammation, also for detecting receptor expression and purificn.
                                                                    26.MAR.1996 (first entry)
Interleukin 8 receptor B.
Interleukin; IL-8; inflammation; psoriasis; dermatitis;
rheumatoid arthritis; inflammatory bowel disease;
chronic lung inflammation; treatment; antibody;
affinity purification; detection.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Lee
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r 15
R80758 standard; Protein; 360 AA.
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                                                                                                                                                                                                                                                                                                       29-MAR-1991; 677211.
29-MAR-1991; US-677211.
25-FEB-1994; US-877211.
(CHUM') CHUMTHARAPAI A.
(HEBE/) HEBERT C.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     WPI; 95-283151/37.
                                                                                                                                                                                                                                                                                                                                                                                                                                      (KIMK/) KIM K J.
(LEEJ/) LEE J.
Chuntharapai A,
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rheumatoid arthritis and particularly inflammatory bowel disease and chronic lung inflammation. When immobilised, these antibodies may be used to detect interleukin-8 receptor B expression in cells and tissues and for affinity purification of interleukin-8 receptor B from cells. Sequence 360 AA;
                                                                                                     Gaps
                                                                             Score 951; DB 15; Length 360;
Pred. No. 1.88e-77;
80; Mismatches 72; Indels 10;
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Best Local Similarity 43.8%;
Matches 126; Conservative
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Search completed: Fri Nov 13 12:03:22 1998 Job time: 110 secs.

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Release 3.1A John F. Collins, Biocomputing Research Unit. Copyright (c) 1993-1998 University of Edinburgh, U.K. Distribution rights by Oxford Molecular Ltd

protein - protein database search, using Smith-Waterman algorithm MPsrch_pp

Fri Nov 13 12:03:41 1998; MasPar time 16.03 Seconds 831.784 Million cell updates/sec Run on:

Tabular output not generated.

(1-365) from US08887977.pep 2779 >US-08-887-977-10

1 MFSTPVKIILCQSILHITQL..........NISRQTSETADNDNASSFTM 365 Description: Perfect Score: Sequence:

Scoring table:

PAM 150 Gap 11

Searched:

120441 seqs, 36531193 residues

Minimum Match 0% Listing first 45 summaries Post-processing:

Database:

Mean 47.004; Variance 114.799; scale 0.409 Statistics:

pir56
1:pir1 2:pir2 3:pir3 4:pir4 5:nrl3d

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

		æ					-
Result No.	Score	Query Match	Length	DB	£	Description	Pred. No.
1	2445	88.0	369	7	JC5068	G protein-coupled rec	0.00e+00
7	066	35.6	355	7	JQ1231	interleukin-8 recepto	3.32e-14(
m	986	35.5	350	7	A39445	interleukin-8 recepto	1.59e-139
4	965	34.7	358	~	A53752	interleukin-8 recepto	5.81e-136
Ŋ	961	34.6		7	B55735	lymphocyte-specific G	2.77e-135
φ	959	34.5		~	A55735	G_protein-coupled rec	6.06e-13
7	951	34.2	360	7	A53611	interleukin-8 recepto	1.38e-133
6 0	927	33.4		7	AS7160	chemokine (C-C) recep	1.60e-129
თ	928	33.4	378	~	A45680	G protein-coupled pep	1.08e-129
10	906	32.6	356	7	S42096	interleukin-8 recepto	5.72e-126
11	891	32.1	359	7	A48921	interleukin-8 recepto	1.96e-123
12	870	31.3	360	7	JC4587	chemokine (C-C) recep	6.90e-120
13	839	30.2	355	7	A45177	chemokine (C-C) recep	1.16e-114
14	836	30.1	354	~	A23669	interleukin-8 recepto	3.71e-114
15	832	30.0	359	7	149341	MIP-1 alpha receptor	5.47e-114
16	793	28.5	355	~	G02436	C-C chemokine recepto	6.29e-107
17	784	28.5	355	~	A57237	chemokine (C-C) recep	2.04e-105
18	176	27.9	352	7	A43113	chemokine (C-C) recep	4.47e-104
19	169	27.7	352	7	G02653	CC chemokine receptor	6.66e-103
20	762	27.4		~	I49339	macrophage inflammato	9.92e-102
21	755	27.2		~	JC2443	chemokine (C-C) recep	1.47e-100
22	751	27.0	'n	7	I38450	chemokine (C-C) recep	6.88e-100
23	738	26.6	355	~	JC5067	G protein-coupled rec	1.03e-97

221 217 LMFMIFCYTFIVKTLVQAQNSKRHKAIRVIIAVVLVFLACQIPHNMVLLVTAANLGKMNR 281

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26.4 354 2 158186 hypothetical G-protei 4 26.1 374 2 S32785 G protein-coupled rec 1	723 26.0 359 2 S15403 angiotensin II recept 3.28e-95 712 25.9 355 2 JC4304 orphan G-protein-coup 7.08e-95 717 25.8 355 2 A45747 leukocyte-derived sev 3.29e-94	25.8 359 2 A42656 angiotensin II recept 4 25.7 359 2 JH0621 angiotensin receptor 35.7 37.0 2.7.500	25.6 359 2 October angiotenni II recept	25.5 359 2 JQ1516 angiotensin II recept 7	25.4 353 2 S28787 neuropeptide Y/peptid 2 25.4 356 2 I49340 MIP-1 alpha receptor 1	25.4 359 2 JC2134 angiotensin II recept 1	25.1 359 2 JULI93 anglotensin Li recept 3 25.1 350 2 JN0621 G-protein coupled rec 4	25.1 359 2 844425 angiotensin II recept 4	23.1 539 2 A4663) Ail anglotensin li re /	24.7 32 2 556162 MDCR15 protein - huma 3 24.7 372 2 52667 G protein-coupled rec 324.6 383 2 555594 G protein-coupled rec 1	ALIGNMENTS			ø	Biochem. Biophys. Res. Com Molecular cloning and RNA	cession JC5068 ##molecule_type DNA ##residues 1-369 ##label ZAB	ferences EMBL: 279784 protein belongs to t	G protein-coupled receptor; transmembrane protein	#domain transmembrane #status predicted #label TMI\	#domain transmembrane #status predicted #label	<pre>#domain transmembrane #status predicted #label #domain transmembrane #status predicted #label</pre>	#domain transmembrane #status #domain transmembrane #status #length 369 #molecular-weight 4200	tch 88.0%; Score 2445; DB 2; Length 369; al Similarity 98.8%; Pred. No. 0.00e+00; 324; Conservative 2; Mismatches 1; Indels 1; Gaps 1;	LEVPIAYSLICVFGLLGNILVVITFAFYKKARSMIDVYLLNMAIADILFVLTLPFWAVSH 101	-RIAYSI,
4.10.1	26 723 27 721 28 717	o o -	101	n est i	Λw	~	o 01	0 -	100	ກ 4 ະເດ		PECITI'S 1	SM	ACCESSIONS REFERENCE #authors	#journal #title	#accession ##molecule ##residues	##CLOSS-COMMENT Thi	KEYWORDS FEATURE	42-68	115-136	212-233	250-271 292-315 SUMMARY	Query Match Best Local S Matches 32	Db 42 LFVE	OY 39 LY-F

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Price, V.; Lyman, S.; Gerard, N.P.; Gerard, C.; Cerretti,
LMFMIFCYTFIVKTLVQAQNSKRHKAIRVIIAVVLVFLACQIPHNMVLLVTAANLGKMNR 277
                                     341
                                                       Lee, J.; Kuang, W.J.; Rice, G.C.; Wood, W.I.
J. Immunol. (1992) 148:1261-1264
Characterization of complementary DNA clones encoding the rabbit IL-8 receptor.
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                                                                                                                                                                                                                                                                                                                                                                                                #journal Biochem. Biophys, Res. Commun. (1991) 179:784-789
#title Molecular characterization of the interleukin-8 receptor.
#cross-references MUID:91378994
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                                                                                                                                                                                                                          interleukin-8 receptor - rabbit
#formal_name Oryctolagus cuniculus #common_name domestic
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                                                                                                                                                                                                                                                                            31-Mar-1992 #sequence_revision 31-Mar-1992 #text_change
                                 SCOSEKLIGYTKTVTEVLAFLHCCLNPVLYAFIGOKFRNYFLKILKDLWCVRRKYKSSGF
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                G protein-coupled receptor; transmembrane protein #length 355 #molecular-weight 40622 #checksum 102
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Pred. No. 3.32e-140;
78; Mismatches 70; Indels 10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  276 NR-SCQSEKLIGYTKTVTEVLAFLHCCLNPVLYAFIGQKFRNYFLKIL 322
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                ##molecule_type DNA
##residues 1-355 ##label BEC
##cross-references GB:M74240; NID:9165438; PID:9165439
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##experimental_source neutrophils
                                                                                                     SCAGRYSENISRQTSETADNDNASSFTM 369
                                                                                                                        #type complete
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Local Similarity 45.1%;
hes 130; Conservative
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JQ1231
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REFERENCE
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RESULT

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#journal J. Biol. Chem. (1994) 269:26381-26389
#title Comparison of the genomic organization and promoter function for human interleukin-8 receptors A and B.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Holmes, W.E.; Lee, J.; Kuang, W.J.; Rice, G.C.; Wood, W.I. Science (1991) 253:1278-1280 Structure and functional expression of a human interleukin-8
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#map_position 2435-2435
EEFWORDS G protein-coupled receptor; glycoprotein; membrane protein SUMMARY #length 350 #molecular-weight 39791 #checksum 5406
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##residues 1-350 ##label RE2
##cross-references EMBL:U11870; NID:g511804; PID:g511805
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NCE I37898
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interleukin-8 receptor type A - human
interleukin-8 receptor, high-affinity
#formal_name Homo sapiens #common_name
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Best Local Similarity 44.7%; Pred. No. 1.59e-139;
Matches 135; Conservative 75; Mismatcher
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##cross-references GB:M68932
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I37449; I38710; I38711; A39445
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##molecule_type DNA
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1-350 ##label RES
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##residues 1-16 ##label RE3
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Burgstahler, R.; Kempkes, B.; Staeube, K.; Lipp, M. submitted to the EMBL Data Library, February 1995
The expression of the chemokine receptor BLR2/EBII is specifically transactivated by Epstein-Barr virus nuclear
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                                                                                                                                                                                                                                                                                                                                                                                                                                                          ##cross-references GDB:342065
#map_position 17q12-17q21.2
KEYWORDS G protein-coupled receptor
SUMMARY #length 378 #molecular-weight 42874 #checksum 2503
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Schweickart, V.L.; Raport, C.J.; Godiska, R.; Byers,
Eddy Jr., R.L.; Shows, T.B.; Gray, P.W.
Genomics (1994) 23:643-650
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Pred. No. 2.77e-135;
77; Mismatches 75; Indels
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##cross-references GB:L31581; NID:9468319; PID:9468320
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B G protein-coupled receptor
Y #length 378 #molecular-weight 42041 ***---
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##residues 1-270
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Best Local Similarity 45.7%;
Matches 134; Conservative
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J. Biol. Chem. (1994) 269:12391-12394
Molecular characterization of a novel rabbit interleukin-8
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Eddy Jr., R.L.; Shows, T.B.; Gray, P.W.
Genomics (1994) 23:643-650
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lymphocyte-specific G-protein-coupled receptor EBI1 - hum:
Burkitt's lymphoma receptor 2; Epstein-Barr virus induced
protein 1
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                                                                                                                                                                                                                                                             interleukin-8 receptor (clone 5Bla) - rabbit
#formal_name Oryctolagus cuniculus #common_name domestic
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Pred. No. 5.81e-136;
80; Mismatches 77; Indels 11;
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DS g protein-coupled receptor; transmembrane protein
X #length 358 #molecular-weight 40631 #checksum 20
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Prado, G.N.; Thomas, K.M.; Suzuki, H.; I
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Best Local Similarity 44.0%;
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Journal J. Biol. Chem. (1994) 269:26381-26389

*title Comparison of the genomic organization and promoter function for human interleukin-8 receptors A and B.

**Forest Structure of the structure of 
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ##cross-references EMBL:U11872, NID:9511808; PID:9511809; EMBL:U11873; NID:9511810; PID:9511811; EMBL:U11874; NID:9511812; PID:9511813; EMBL:U11875; NID:9511814; PID:9511815; PID:9511814; PID:9511815; NID:9511817; EMBL:U11877; NID:9511818; PID:9511819; EMBL:U11878; NID:9511820; PID:9511821
                                                                                                                                                   119 AK-SWIFGVYLCKGIFGIYKLSFFSGMLLLLCISIDRYVAIVQAVSRHRHRARVLLISKL 177
                                                                                                                                                                                                                            235 PMLAMSFCYLIIIRTLLQARNFERNKAIKVIIAVVVVFIVFQLPYNGVVLAQTVANFNIT 294
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                 A53611 #type complete interleukin-8 receptor type B - human #formal_name Homo sapiens #common_name man 07-oct-1994 #sequence_revision 12-Apr-1996 #text_change 137898; I3898; I38712; A53611; A39446
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J. Biol. Chem. (1994) 269:11065-11072
                                                                                                               SCVGIWMLALFLSIPELLYSGLQKNSGEDT -- LRCSLVSAQVE-ALITIQVAQMVFGFLV
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T This receptor, unlike IL8Ra, binds several peptides besides
interleukin-8, including GRO, NAP-2, and ENA-78.
                                                                                                                                                                                                                                                                                                                                                                            295 NSSCETSKQLNIAYDVTYSLASVRCCVNPFLYAFIGVKFRSDLFKLFKDLGCL 347
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##cross-references GDB:127868; OMIM:146928
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##cross-references GB:M99412; GB:L19593
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#domain transmembrane *status predicted #label TM7\
#disulfide_bonds *status predicted,
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#hinding_site phosphate (Ser) (covalent) (by protein
#hinding_site carbohydrate (Asn) (covalent) *status
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J. Blol. Chem. (1995) 270:19495-19500
Molecular cloning and functional expression of a novel CC chemokine receptor CDNA from a human basophilic cell line
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#binding_site phosphate (Thr) (covalent) (by protein
kinase C) #status predicted
#length 360 #molecular-weight 41402 #checksum 4713
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#map_position 3p21-3p21
KEYWORDS ' G protein-coupled receptor; glycoprotein; phosphoprotein;
transmembrane protein
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10.Nov-1995 #sequence_revision 10-Nov-1995 #text_change
15-aug-1997
A57160
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#map_position 2q35-2q35
KEYWORDS G protein-coupled receptor; transmembrane protein
SUMMARY #length 360 #molecular-weight 40759 #checksum 3062
                                                                                                                                                                                                Indels 10;
                                                                                                                                Length 360;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            276 NR-SCQSEKLIGYTKTVTEVLAFLHCCLNPVLYAFIGQKFRNYFLKIL 322
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          IQETCERRNHIDRALDATEILGILHSCLNPLIYAFIGGKFRHGLLKIL 329
                                                                                                                                Score 951; DB 2; Le
Pred. No. 1.38e-133;
80; Mismatches 72;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   A57160 #type complete
chemokine (C-C) receptor 4 - human
C-C CKR-4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              1-360 ##label POW
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##note source clone
                                                                                                                                Query Match 34.2%;
Best Local Similarity 43.8%;
Matches 126; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 GDB: CMKBR4
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##residues 1-36
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                                                                              12;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Kieff, E.
#journal J. Virol. (1993) 67:2209-2220
#title Epstein-Barr virus-induced genes: first lymphocyte-specific protein-coupled peptide receptors.
#cross-references WUID:93188173
                                                                                                                                                                                                                                                                                                                                                                                                                                                                         S-SLEINILGLVIPLGIMLFCYSMIIRTLQHCKNEKKNKAVKMIFAVVVLFLGFWTPYNI 260
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         :||:::||: ||: ||: ||: ||: ||::||: ||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::||::
                                                                                                                                                                                                                                                 LFVFSLPFWGY-YAADQWVFGLGLCKMISWMYLVGFYSGIFFVMLMSIDRYLAIVHAV-- 143
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       VLFLETLVELEVL-QDCTFERYLDYAIQATETLAFVHCCLNPIIYFFLGEKFRKYILQLF 319
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       LFVLTLPFWAVSHATGAWVFSNATCKLLKGIYAINFNCGMLLLTCISMDRYIAIVQATKS 144
                                                                                                                                                                                                                                                                                                                                                                FSLRARTLIYGVITSLATWSVAVFASLPGFLFSTCYTERNHTYCKTKY-SLNSTT-WKVL 201
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ###molecule_type nucleic acid
##molecule_type nucleic acid
##residues 1-378 ##label BIR
##cross-references GB:L08176; NID:g183484; PID:g183485
##experimental_source B-lymphocytes
##note sequence extracted from NCBI backbone (NCBIN:127094,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            145 FRLRSRTLPRSKIICLVVWGLSVIISSSTFVFNQKYNTQGSDVCEPKYQTVSEPIRWKLL 204
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              AAKSWVFGVHFCKLIFAIYKMSFFSGMLLLLCISIDRYVAIVQAVSAHRHRARVLLISKL 177
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          SCVGSAILATVLSIPELLYSD-LQRSSSEQ-AMRCSLITEHVE-AFITIQVAQMVIGFLV 234
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        PLLAMSFCYLVIIRTLLQARNFERNKAIKVIIAVVVVEIVFQLPYNGVVLAQTVANFIT 294
                                                                                                                                   28 PCTKEGIKAFGELFLPPLYSLVFVFGLLGNSVVVLVL-FKYKRLRSMTDVYLLNLAISDL 86
                                                                                                                                                                Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            A45680 #type complete
G protein-coupled peptide receptor EBI 1 - human
#formal_name Homo saplens #common_name man
21-Sep-1993 #sequence_revision 18-Nov-1994 #text_change
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Birkenbach, M.; Josefsen, K.; Yalamanchili, R.; Lenoir,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Gaps
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                                                                           Indels 13;
                          Length 360;
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Pred. No. 1.08e-129;
76; Mismatches 77; Indels
                    Score 927; DB 2; Le
Pred. No. 1.60e-129;
81; Mismatches 78;
                                                                        81;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     NCBIP:127095)
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                 33.4%;
larity 42.9%;
Conservative
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Similarity 45.4%;
133; Conservative
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                                                 Local Similarity
nes 129; Conser
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Best Local S.
Matches 133
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                       Query Match
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REFERENCE
                                           Best Loca
Matches
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Genomics (1993) 18:410-413
The murine homologue of the human interleukin-8 receptor type
B maps near the ity-Lsh-Bcg disease resistance locus.
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217 PLMFMIFCYTFIVKTLVQAQNSKRHKAIRVIIAVVLVFLACQIPHNMVLLV-TAANLGKM 275
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   209
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               96 FALTLPVWAASKVNG-WIFGSFLCKVFSFLQEITFYSSVLLLACISMDRYLAIVHATSTL 154
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           205 MLGLELLFGFFIPLMFMIFCYTFIVKTLVQAQNSKRRKAIRVIIAVVLVFLACQIPHNMV 264
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    95
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            270 LFTDTLMRTKLIKETCERQNEIN--KA-SEILGFLHSCLNPIIYAFIGQKFRHGLLKIM 325
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       interleukin-8 receptor - rat
#formal_name Rattus norvegicus #common_name Norway rat
06-Jan-1995 #sequence_revision 06-Jan-1995 #text_change
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          #formal_name Mus musculus #common_name house mouse
20-Feb-1995 #sequence_revision 20-Feb-1995 #text_change
10-Sep-1997
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Cerretti, D.P.; Nelson, N.; Kozlosky, C.J.; Morrissey,
Copeland, N.G.; Gilbert, D.J.; Jenkins, N.A.; Dosik,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            36 APCPSANLDINRYAVVVIYVLVTLLSLVGNSLVMLVILYNRSTCSVTDVYLLNLAIADLF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       155 -IQKRHL--VKFVCITMWFLSLVLSLPIFILRTTVKANPSTVV-C-YENIGNNTSKWRVV
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   210 LRILPQTYGFLLPLIMLFCYGFTLRTLFKAHMGQKHRAMRVIFAVVLVFLLCWLPYNIV
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С
                                                                           Score 906; DB 2; Length 356;
Pred. No. 5.72e-126;
85; Mismatches 80; Indels 12;
                                                295 SSTCELSKQLNIAYDVTYSLACVRCCVNPFLYAFIGVKFRNDIFKLFKDLGCL 347
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Suzuki, H.; Prado, G.N.; Wilkinson, N.; Navarro, J. Biol. Chem. (1994) 269:18263-18266
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ##residues 1-356 ##label GOB
##cross-references EMBL:X77797
DS G protein-coupled receptor; transmembrane protei
IX #length 356 #molecular-weight 40188 #checksum
                                                                                                                                                                                                                                                                                                                                                          Gobl, A.E.; Wang, S.; Zhou, Y.; Oeberg, K. submitted to the EMBL Data Library, February Molecular cloning of the rat ILB receptor. 842096
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ##residues 1-359 ##label CER
##cross-references GB:L23637; NID:g435093; PID:g435094
REFERENCE A53677
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#authors
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Wilkie, T.M.; Chen, Y.; Gilbert, D.J.; Moore, K.J.; Yu, L.;
Simon, M.I.; Copeland, N.G.; Jenkins, N.A.
Genomics (1993) 18:175-184
Identification, chromosomal location, and genome organization
#title The N terminus of interleukin-8 (IL-8) receptor confers high affinity binding to human IL-8.
#cross references MUID:94308043
#accession A53677
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                                                                                                                                                                                                                                                                                                                                                                                  Lee, J.; Cacalano, G.; Camerato, T.; Toy, K.; Moore, M.W.; Wood, W.I.
J. Immunol. (1995) 155:2158-2164
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Pred. No. 1.96e-123;
80; Mismatches 85; Indels 11; Gaps
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Kolakowski, L.F.
#journal J. Biol. Chem. (1994) 269:29355-29358
#title The murine interleukin 8 type B receptor homologue and ligands. Expression and biological characterization.
#cross-references MUID:95050766
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##cross-references EMBL:U31207; NID:g950174; PID:g950175
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##cross-references GB:L13239; NID:g293665; PID:g293666
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s MUID:95363183
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Matches 123; Conservative
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213-234
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308-328
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T.N.C.;
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##residues 1-360 ##label HOO
##cross-references EMBL:X90862; NID:g1167851; PID:e195632; PID:g1167852
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#binding_site phosphate (Ser) (covalent) (by casein
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#hinding_site phosphate (Ser) (covalent) (by protein
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                                                                                                                                                                                                                                                                       270 LFTDTLMRTKLIKETCERRDDIDKALNATEILGFLHSCLNPIIYAFIGQKFRHGLLKIM 328
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Pred. No. 6.90e-120;
88; Mismatches 79; Indels 13; Gaps
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Blochem Biophys. Res. Commun. (1996) 218:337-343
Molecular cloning of murine CC CKR-4 and high affinity binding of chemokines to murine and human CC CKR-4.
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#length 360 #molecular-weight 41462 #checksum 7852
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#cross-references MOID:91056034
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                                                                                                                                                     Neote, K.; DiGregorio, D.; Mak, J.I.; Horuk, R.; Schall, T.J. Cell (1993) 72:415-425
Molecular cloning, functional expression, and signaling characteristics of a C-C chemokine receptor.
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#title Structure and functional expression of the human macrophage inflammatory 1 alpha (MIP-lalpha)/RANTES receptor.
#cross-references MUID:93240122
                                                    protein-1-alpha receptor
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                                                                                                                                                                                                                                                                                                                                                   sequence extracted from NCBI backbone (NCBIP:124876)
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#disulfide_bonds #status predicted\
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                                chemokine (C-C) receptor 1 - human
C-C CKT-1; macrophage inflammatory protein-1-alpha recep
#formal_name Homo sapiens #common_name man
30.Sep-1993 #sequence_revision 30-Sep-1993 #text_change
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KEYWORDS
disulfide bond; G protein-coupled receptor;
phosphoprotein; transmembrane protein
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##cross-references GDB:138446; OMIM:601159
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Gao, J.L.; Murphy, P.M.
J. Biol. Chem. (1995) 270:17494-17501
Cloning and differential tissue-specific expression of three mouse beta chemoxine receptor-like genes, including the gene for a functional macrophage inflammatory protein-1
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ##residues 1-354 ##label THO ##cross-references GB:M58021; GB:J05705; NID:g165442; PID:g165443
DS G protein-coupled receptor; glycoprotein; membrane protein;
263 MVLLVTAANLGKMNRSCQSEKLIGYTKTVTEVLAFLHCCLNPVLYAFIGGKFRNYFLKIL 322
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       45 YVVVIYALVFLLSLLGNSLVMLVILYSRSNRSVTDVYLLNLAMAPA-FCPDHAY--LGR 101
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               102 LQGKRLDFRTPLCKVVSLVKEVNFYSGILLLACISVDRYLAIVQSTRTLTQK-RHL--VK 158
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                                                                                                                                                                                                                                                                                                                                                                           #formal_name Oryctolagus cuniculus #common_name domestic
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#length 354 #molecular-weight 40528 #checksum 8472
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J. Biol. Chem. (1990) 265:20061-20064
Molecular cloning of the fMet-Leu-Phe receptor from
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   13;
                                                                                                                                                                                                                                                                         A23669 #type complete
interleukin-8 receptor, high affinity - rabbit
fMLP receptor
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                                                                                             355
                                                                                                                              323 KDLWCVRRKYKSSGFSCAGRYSENISRQTSETADNDNASSF
                                                                                       316 FHRRVAVHLVKWLPFLSVDRL-ERVSSTSPSTGEHELSAGF
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |:: ||:| |:| |:| |:| |:| |:| |:| |:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:| ||:|
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           222 IFCYTFIVKTLVQAQNSKRHKAIRVIIAVVLVFLACQIPHNMVLLVTAANLGKMNRSCQS 281
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        8; Gaps
##status preliminary; translated from GB/EMBL/DDBJ ##molecule_type DNA ##molecule_type DNA #residues 1-359 ##label RES ##cross-references EMBL:U28406; NID:9881551; PID:9881552 ##cross-references EMBL:U28406; NID:9881551; PID:9881552 ##length 359 #molecular-weight 41857 #checksum 8333
                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match 30.0%; Score 835; DB 2; Length 359; Best Local Similarity 38.4%; Pred. No. 5.47e-114; Matches 108; Conservative 89; Mismatches 76; Indels
                                                                                                                                                                                                                                                                                                                       SUMMARY
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Search completed: Fri Nov 13 12:04:53 1998 Job time: 72 secs.

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protein - protein database search, using Smith-Waterman algorithm MPsrch_pp

Fri Nov 13 12:05:10 1998; MasPar time 10.77 Seconds 850.044 Million cell updates/sec Run on:

Tabular output not generated.

>US-08-887-977-10 (1-365) from US08887977.pep 2779

1 MFSTPVKIILCQSILHITQL........NISRQTSETADNDNASSFTM 365 Description: Perfect Score: Sequence:

PAM 150 Gap 11 Scoring table:

Post-processing:

69111 seqs, 25083644 residues

Searched:

Minimum Match 0% Listing first 45 summaries

swiss-prot35 Database:

Statistics:

1:swiss1

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed and is derived by analysis of the total score distribution.

Mean 49.069; Variance 98.526; scale 0.498

SUMMARIES

Pred. No.	0.00e+00	1.02e-170	1.02e-170	1.02e-170	6.81e-170	1.17e-168	2.02e-167	9.57e-165	6.36e-164	1.64e-163	1.64e-163	7.25e-162	7.25e-162	1.24e-160	6.19e-157	1.69e-155	1.19e-153	3.64e-150	1.50e-149	2.99e-145	6.49e-139	4.26e-138	7.48e-136
	RECEPTOR	INTERLEU	RECEPTOR	INTERLEU	RECEPTOR	INTERLEU	INTERLEU	INTERLEU	RECEPTOR	INTERLEU	INTERLEU	PROTEIN-COU	INTERLEU	RECEPTOR	RECEPTOR	CHEMOKINE	TE RECEPT						
Description	C-C CHEMOKINE	HIGH AFFINITY	C-C CHEMOKINE	HIGH AFFINITY	C-C CHEMOKINE	HIGH AFFINITY	HIGH AFFINITY	HIGH AFFINITY	C-C CHEMOKINE	HIGH AFFINITY	HIGH AFFINITY	PROBABLE G PRO	HIGH AFFINITY	C-C CHEMOKINE	C-C CHEMOKINE	PROBABLE C-C (C-X-C CHEMOKINE						
£1	CKR6_HUMAN	IL8A_PANTR	IL8A_GORGO	IL8A_PONPY	IL8A_RABIT	IL8A_HUMAN	IL8B_BOVIN	IL8B_RABIT	CKR7_HUMAN	IL8B_MACMU	CKR7_MOUSE	IL8B_PANTR	IL8B_HUMAN	IL8B_GORGO	CKR4_HUMAN	IL8B_RAT	IL8A_RAT	GC96_HUMAN	IL8B_MOUSE	CKR4_MOUSE	CKR1_HUMAN	CKR3_MOUSE	CCR3_HUMAN
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Length DB	369	350	350	350	355	350	360	358	378	353	378	353	360	353	360	359	349	357	359	360	355	359	368
& Query Match	88.0	35.8	35.8	35.8	35.6	35.4	35.2	34.7	34.6	34.5	34.5	34.2	34.2	34.0	33.4	33.1	32.8	32.2	'n			30.0	29.7
Score	2445	994	994	994	066	В	918	965	196	959	959	951	951	945	927	920	911	894	891	870	839	832	824
Result No.	-	7	m	4	ស	9	7	ω	თ	10	11	12	13	14	15	16	17	18	19	20	21	22	23

2.37e-130	9.68e-130	2.47e-129	4.43e-126	7.33e-125	1.25e-122	3.19e-122	5.26e-121	2.27e-118	1.46e-117	6.09e-116	2.46e-115	6.26e-115	4.03e-114	6.41e-114	2.59e-113	1.02e-113	6.57e-113	6.57e-113	6.72e-112	4.22e-112	4.22e-112	
C-C CHEMOKINE RECEPTOR	PROBABLE G PROTEIN-COU	PROBABLE G PROTEIN-COU	BURKITT'S LYMPHOMA REC	TYPE-1 ANGIOTENSIN II	PROBABLE G PROTEIN-COU	SDF-1 RECEPTOR (STROMA	TYPE-1B ANGIOTENSIN II	TYPE-1A ANGIOTENSIN II	BURKITT'S LYMPHOMA REC	TYPE-1A ANGIOTENSIN II	TYPE-1 ANGIOTENSIN II	SDF-1 RECEPTOR (STROMA	C-C CHEMOKINE RECEPTOR	TYPE-1A ANGIOTENSIN II								
CKR5_RAT	CKR3_HUMAN	CKR5_MACMU	CKR5_HUMAN	CKR2_MOUSE	CKR5_MOUSE	CKR1_MOUSE	CKR2_HUMAN	_	GPRD_RAT	BLR1_RAT	AG2R_BOVIN	_	_	AG2S_RAT	AG2R_MOUSE	BLR1_MOUSE	AG2R_HUMAN	AG2R_PIG	CCR4_BOVIN	CKRV_MOUSE	AG2R_RAT	
		352 1					•					355 1										
28.7	28.6	28.5	27.9	27.7	27.3	27.2	27.0	56.6	26.4	26.1	26.0	25.9	25.8	25.8	25.7	25.7	25.6	25.6	25.4	25.4	25.4	
797	794	792	116	770	759	757	751	738	734	726	723	721	717	716	713	715	711	711	106	707	707	
24	25	56	27	78	53	30	31	32	33	34	35	36	37	38	30	40	41	42	43	44	45	

ALIGNMENTS

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P51684; 092846; P78553;
01-0CT-1996 (REL. 34, CREATED)
01-0CT-1996 (REL. 34, LAST SEQUENCE UPDATE)
01-NOV-1997 (REL. 35, LAST ANNOTATION UPDATE)
C-C CHEMOKINE RECEPTOR TYPE 6 (C-C CKR-6) (GPR-CX4) (CKR-L3)
(DRY6).
                                                                                                                                                                                                                                                                                        HOMO SAPIENS (HUMAN).
EUKARXOTA; METAZOA; CHORDATA; VERTEBRATA; TETRAPODA; MAMMALIA;
EUTHERIA; PRIMATES.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          EMBL; 045984; G1245059; EMBL; 045984; G1245059; EMBL; 045984; G1245059; EMBL; 045984; G1245059; EMBL; 045984; G1515435; ALT_INIT.

R EMBL; 068030; G1515435; ALT_INIT.

R EMBL; 068032; G1870669; ALT_INIT.

R MIN; 601835; -

R PROSITE; PSO0237; G_PROTEIN_RECEPTOR; 1.

R PROSITE; PSO0237; G_PROTEIN_RECEPTOR; 1.

I TANSMEM 43 69 1 (POTENTIAL).

I TANSMEM 79 99 2 (POTENTIAL).

I TANSMEM 79 99 2 (POTENTIAL).

I DOMAIN 100 114 EXTRACELULAR (POTENTIAL).
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MEDLINE, 97040707.
ZABALLOS A., VARONA R., GUTIERREZ J., LIND P., MARQUEZ
BIOCHEM. BIOPHYS. RES. COMMUN. 227:846-853(1996).
                                                                                                                                                                                                                                                                                                                                                                                                                   SEQUENCE FROM N.A.
LAUTENS L.L., MODI W., BONNER T.I.;
SUBMITTED (APR-1996) TO EMBL/GENBANK/DDBJ DATA BANKS.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                D.H.;
TO EMBL/GENBANK/DDBJ DATA BANKS.
                                    369 AA.
                                       PRT;
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HUMAN
                                    CKR6_
RESOLATION OF THE PROPERTY OF
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ACTIVATION OF NEUTROPHILS. THIS RESPONSE IS MEDIATED VIA A
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01-NOV-1997 (REL. 35, LAST SEQUENCE UPDATE)
01-NOV-1997 (REL. 35, LAST SEQUENCE UPDATE)
HIGH AFFINITY INTERLEUKIN-8 RECEPTOR A (IL-8R A) (IL-8 RECEPTOR TYPE IL/8RA OR CXCRI.
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Pred. No. 1.02e-170;
Transcribes 79; Indels 12; Gaps
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EUKARYOTA: METAZOA; CHORDATA; VERTEBRATA; TETRAPODA; MAMMALLA;
EUTHERIA; PRIMATES.
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EXTRACELLUAR (POTENTIAL).
3 (POTENTIAL).
CYTOPLASMIC (POTENTIAL).
4 (POTENTIAL).
EXTRACELLUAR (POTENTIAL).
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EXTRACELLULAR (POTENTIAL)
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CYTOPLASMIC (POTENTIAL)
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P55919;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        157
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                                                                                                                                                                                                                                                                                                                                                                                                                LFVPIAYSLICVFGLLGNILVVITFAFYKKARSMTDVYLLNMAIADILFVLTLPFWAVSH 101
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         01-NOV-1997 (REL. 35, CREATED)
01-NOV-1997 (REL. 35, LAST SEQUENCE UPDATE)
01-NOV-1997 (REL. 35, LAST ANNOTATION UPDATE)
HIGH AFFINITY INTERLEUKIN-8 RECEPTOR A (IL-8R A) (IL-8 RECEPTOR TYPE
1) (CXCR-1) (CDW128).
                                                                                                                                                                                                                                                                                                                                                                                                                               Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ALVAREZ V., COTO E., SETIEN F., GONZALEZ S., GONZALEZ-ROCES S., LOPEZ-LARREA C.; IMMUNOGENETICS 43:261-267(1996).

-i- FUNCTION: RECEPTOR TO INTERLEUKIN-8, WHICH IS A POWERFUL NEUTROPHILS CHEMOTACTIC FACTOR. BINDING OF IL-8 TO THE RECEPTOR
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ICLVVWGLSVIISSSTFVFNQKYNTQGSDVCEPKYQTVSEPIRWKLLMLGLELLFGFFIP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | ICLVVWGLSVIISSSTFVFNQKXNTQGSDVCEPKYQTVSEPIRWKLLMLGLELFGFFIP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           LMFMIFCYTFIVKTLVQAQNSKRHKAIRVIIAVVLVFLACQIPHNMVLLVTAANLGKMNR
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         SCOSEKLIGYTKTVTEVLAFLHCCLNPVLYAFIGQKFRNYFLKILKDLWCVRRKYKSSGF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    PAN TROGLODYTES (CHIMPANZEE).
EUKARYOTA; METAZOA; CHORDATA; VERTEBRATA; TETRAPODA; MAMMALIA;
EUTHERIA; PRIMATES.
                                                                                                                                                                                                                                                                                                            WLHYVIES (IN REF. 3)
                                                                                                                                                                                                                                                                                                                                                        Length 369
                                                                                                                                                                                                                                                                                                                                                                                     1; Indels
                                                                                    6 (POTENTIAL).
EXTRACELLULAR (POTENTIAL)
                                             EXTRACELLULAR (POTENTIAL)
                                                            5 (POTENTIAL).
CYTOPLASMIC (POTENTIAL).
                  CYTOPLASMIC (POTENTIAL)
                                                                                                                 7 (POTENTIAL).
CYTOPLASMIC (POTENTIAL)
BY SIMILARITY.
                                                                                                                                                                                       Score 2445; DB 1;
Pred. No. 0.00e+00;
                                                                                                                                                                                                                                                                                                                           191BE90B CRC32;
                                                                                                                                                                                                                                                                                                                                                                                     2; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     350 AA
                                 (POTENTIAL)
                                                                                                                                                             POTENTIAL
                                                                                                                                                                              POTENTIAL
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            SCAGRYSENISROTSETADNDNASSFTM 369
                                                                                                                                                                                                                                                                                                            SSFTM
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     PRT;
                                                                                                                                                                                                                                                                                                                             MM.;
                                                                                                                                                                                                                                                                                                                                                        88.0%;
                                                                                                                                                                                                                                                                                                                                                                       98.88;
                                                                                                                                                                                                                                                                                                                           42002
                                                                                                                                                                                                                                                                                                                                                                     Local Similarity 98.8%;
les 324; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     STANDARD;
 136
1136
1175
1175
1233
124
127
136
136
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136
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                                                                                                                                                                                                                                                                                                             365
369 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             SEQUENCE FROM N.A. MEDLINE; 96175151.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  IL8A_PANTR
P55920;
TRANSMEM
DOMAIN
TRANSMEM
                                             DOMAIN
TRANSMEM
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DISULFID
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CONFLICT
SEQUENCE
                                                                                                     DOMAIN
TRANSMEM
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CONFLICT
CONFLICT
                                                                                       PRANSMEM
                                                                                                                                                               CARBOHYD
                                                                                                                                                                            CARBOHYD
                                                                                                                                                                                                                                                                                                                                                        Query Match
                                                                          DOMAIN
                                                                                                                                                                                                                                                                                                                                                                                                                 42
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        338
                                                                                                                                                                                                                                                                                                                                                                                  Matches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        145 TLTQK-RHL--VKFVCLGCWGLSMILSLPFFLFRQAYHPNNSSPVC---YEVLGNDTAKW 198
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         27 Y-SPCRLETETLNKYVVIITYALAFLLSLLGNSLVMLVILYSRGGRSVTDVYLLNLALAD 85
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Pred. No. 1.02e-170; 77; Mismatches 79; Indels 12; Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                144 SFRLRSRTLPRSKIICLVVWGLSVIISSSTFVFNOKYNTQGSD-VCEPKYQTVS-EPIRW
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         259 NLVLLADTLMRTQVIQESCERRNNVSLALDATEILGFLHSCLNPIIYAFIGQNFRHGFLK
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   199 RWYLRILPHTFGFIVPLFVMLFCYGFTLRTLFKAHMGQKHRAMRVIFAVVLIFLLCWLPY
                                        EUKARYOTA; METAZOA; CHORDATA; VERTEBRATA; TETRAPODA; MAMMALIA;
                                                                                                                      MEDLINE; 96175151.
ALVAREZ V., COTO E., SETIEN F., GONZALEZ S., GONZALEZ-ROCES
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Score 994; DB 1; Length 350;
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5 (POTENTIAL).
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77C2A8F1 CRC32;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (POTENTIAL).
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6 (POTENTIAL
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  CYTOPLASMIC
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                                                                                                                                                                                    IMMUNOGENETICS 43:261-267(1996)
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X
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Local Similarity 44.48;
                   PONGO PYGMAEUS (ORANGUTAN)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  39790
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Matches 134; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     STANDARD;
                                                           EUTHERIA; PRIMATES
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                350 AA;
                                                                                                   SEQUENCE FROM N.A.
                                                                                                                                                               LOPEZ-LARREA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          319 IL 320
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ID IL8A_RABIT
                                                                                                                                                                                                                                                                                                                                                                                                                                                       DOMAIN
TRANSMEM
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TRANSMEM
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TRANSMEM
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TRANSMEM
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DOMAIN
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CARBOHYD
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      DOMAIN
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                           LLFALTLPIWAASKVNG-WIFGTFLCKVVSLLKEVNFYSGILLLACISVDRYLAIVHATR 144
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TLTQK-RHL--VKFVCLGCWGLSMILSLPFFLFRQAYHPNNSSPVC---YEVLGNDTAKW 198
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ::: | |||::|| |:||| ::|| |::|| |::|| 202 KLLMLGLELLFGFFIPLMFMFIRCYFILVGAQNSKRHKAIRVIIAVVLVFLACQIPH 261
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    IL8A_PONPY STANDARD; PRT; 350 AA.
P55921;
01-NOV-1997 (REL. 35, CREATED)
01-NOV-1997 (REL. 35, LAST SEQUENCE UPDATE)
01-NOV-1997 (REL. 35, LAST ANNOTATION UPDATE)
HIGH AFFINITY INTERLEUKIN-8 RECEPTOR A (IL-8R A) (IL-8 RECEPTOR TYPE
1) (CXCR-1) (CDW128).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     85
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Y-SPCRLETETLNKYVVIITYALAFLLSLLGNSLVMLVILYSRGGRSVTDVYLLNLALAD
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                NLVLLADTLLMRTQVIQESCERRNNVSLALDATEILGFLHSCLNPIIYAFIGONFRHGFLK
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                RMVLRILPHTFGFIVPLFVMLFCYGFTLRTLFKAHMGQKHRAMRVIFAVVLIFLLCWLPY
              ALVAREZ V., COTO E., SETIEN F., GONZALEZ S., GONZALEZ-ROCES S.,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Indels 12;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Length 350;
                                                                                                                                                                                                                                                                                                                                                                                     2 (POTENTIAL).
EXTRACELLULAR (POTENTIAL).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         6 (POTENTIAL).
EXTRACELLULAR (POTENTIAL).
                                                                                                                                                                                                                                                                                                                                EXTRACELLULAR (POTENTIAL)
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EXTRACELLULAR (POTENTIAL)
                                                                                                                                                                                                                                                                                                                                                                                                                             3 (POTENTIAL).
CYTOPLASMIC (POTENTIAL).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                5 (POTENTIAL).
CYTOPLASMIC (POTENTIAL).
                                                                                                                                                                                                                                                                                                                                                                      (POTENTIAL).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               7 (POTENTIAL).
CYTOPLASMIC (POTENTIAL).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     77; Mismatches 79;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Score 994; DB 1; L Pred. No. 1.02e-170;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         POTENTIAL.
POTENTIAL.
BY SIMILARITY.
'; 77C2A8F1 CRC32;
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CYTOPLASMIC (1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       39790 MW;
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nes 134; Conservative
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285
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350 AA;
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C: -: SIBLIBARITY: BELONGS TO FAMILY 1 OF G-PROTEIN COUPLED RECEPTORS.
C: -: SIMILARITY: BELONGS TO FAMILY 1 OF G-PROTEIN COUPLED RECEPTORS.
C: -: CAUTION: WAS ORIGINALLY (REF. 2) THOUGHT TO BE THE RECEPTOR FOR REMEL, M74240; G165439; -:
REMEL, M74240; G165439; -:
REMEL, M82873; G165441; -:
REMEL, M82873; G165441; -:
REMEL, M21369; A23669.
REMEL, M21369; A23669.
REMEL, M2131; J01231.
REMEL, M21215; J01231.
REMEL, M21231; J01231.
REMEL, M21231; J01231.
REMEL, M21231; J01231.
REMEL, M21231; J01231.
                                                                                                                                                                                                                                                LEE J., KUNNG W. J., RICE G.C., WOOD W.I.;
J. IMMUNOL. 148:1261-1264(1992).
-!- FUNCTION: RECEPTOR TO INTERLECKIN-8, WHICH IS A POWERFUL
NEUTROPHILS CHEMOTACTIC FACTOR. BINDING OF IL-8 TO THE RECEPTOR
CAUSES ACTIVATION OF NEUTROPHILS. THIS RESPONSE IS MEDIATED VIA A
G-PROTEIN THAT ACTIVATE A PHOSPHATIDYLINOSITOL-CALCIUM SECOND
MESSENGER SYSTEM.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       <u>?</u>
                                              ILBRA OR CXCRI.
ORYCTOLAGUS (RABBIT).
EUKARYOTA, METAZOA; CHORDATA; VERTEBRATA; TETRAPODA; MAMMALIA;
EUTHERIA; LAGOMORPHA.
                                                                                               SEQUENCE FROM N.A.
MEDLINE; 91378994.
BECKMANN M.P., MUNGER W.E., KOZLOSKY C., VANDENBOS T., PRICE .
LEYMAN S., GERARD N.P., GERARD C., CERRETTI D.P.;
BIOCHEM. BIOPHYS. RES. COMMUN. 179:784-789(1991).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       REF.
       01-FEB-1991 (REL. 17, CREATED)
01-MAY-1992 (REL. 22, LAST SEQUENCE UPDATE)
01-NOV-1997 (REL. 35, LAST ANNOTATION UPDATE)
HIGH AFFINITY INTERLEUKIN-8 RECEPTOR A (IL-8R A) (CXCR-1).
                                                                                                                                                                                                                                                                                                                                                                                                                                                              G_PROTEIN_RECEPTOR; 1. RECEPTOR; TRANSMEMBRANE; GLYCOPROTEIN;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              EXTRACELLULAR (POTENTIAL).
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R -> C (IN REF. 2).

DI -> EL (IN REF. 2).

2EB3947D CRC32;
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EXTRACELLULAR (POTENTIAL)
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CYTOPLASMIC (POTENTIAL).
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CYTOPLASMIC (POTENTIAL).
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CYTOPLASMIC (POTENTIAL).
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DLLFALTMPIWAVSKEKGWIFG
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                                                                                                                                                                                        THOMAS K.M., PYUN H.Y., NAVARRO J.;
J., BIOL. CHEM. 265:20061-20064(1990)
                                                                                                                                                         SEQUENCE FROM N.A.
TISSUB-NEUTROPHILS;
MEDLINE; 91056034.
THOMAS K.M., PYUN H.Y., NAVARRO J.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             MM.
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192
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TISSUE-NEUTROPHILS;
MEDLINE; 92148149.
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204
287
355 AA;
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GCR_0108;
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DISULFID
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CHARACTERIZATION.
MEDLINE, 9235587.
LEE J., HORUK R., RICE G.C., BENNETT G.L., CAMERATO T., WOOD W.I.;
J. BIOL. CHEM. 267:16283-16287(1992).
-! FUNCTION: RECEPTOR TO INTERLEDKIN'S, WHICH IS A POWERFUL
NEUTROPHILS CHEMOTACTIC FACTOR. BINDING OF IL-8 TO THE RECEPTOR
CAUSES ACTIVATION OF NEUTROPHILS. THIS RESPONSE IS MEDIATED VIA A
G-PROTEIN THAT ACTIVATE A PHOSPHATIDYLINOSITOL-CALCIUM SECOND
MESSENGER SYSTEM. THIS RECEPTOR BINDS TO IL-8 WITH A HIGH AFFINITY
AND TO MGSA (GRO) WITH A LOW AFFINITY.
-! SUBCELLULAR LOCATION: INTEGRAL MEMBRANE PROTEIN.
-! SIMILARITY: BELONGS TO FAMILY 1 OF G-PROTEIN COUPLED RECEPTORS.
                                                                                                                                                                                                                             216 IPLMFWIFCYTFIVKTLVQAQNSKRHKAIRVIIAVVLVFLACQIPHNMVLLVTAANLGKM 275
                                                                                                                                                                                                                                                                                                                                                                            45 YVVVVIYALVFLLSLLGNSLVMLVILYSRSNRSVTDVYLLNLAMADLLFALTMPIWAVSK 104
                                                                                                                                                                                                                                                                                                                                                                                                                                                                218 LPLLVMLFCYGFTLRTLFQAHMGQKHRAMRVIFAVVLIFLLCWLPYNLVLLADTLMRTHV 277
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                MEDLINE; 93205012.
CERRETTI D.P., KOZLOSKY C.J., VANDEN BOS T., NELSON N., GEARING D.P.,
BECKMANN M.P.;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         01-MAY-1992 (REL. 22, CREATED)
01-MAY-1992 (REL. 22, LAST SEQUENCE UPDATE)
01-FEB-1996 (REL. 33, LAST ANNOTATION UPDATE)
11-FEB-1996 (REL. 33, LAST ANNOTATION UPDATE)
11 (CXCR-1) (CDW128).
                                                                                                                                                                       38 YLYRIAYSLICVLGLLGNILVVITFAFYKKARSMTDVYLLNMAIADILFVLTLPFWAVSH 97
                                                           Gaps
                                                                                                                                                                                                                                                                                                                                                 161 ICLGIWALSLILSLPFFLFRQVFSPNNSSPVC---YEDLGHNTAKWRWYLRILPHTFGFI
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          MEDLINE; 93252387.
MOLLEREAU C., PASSAGE E., MATTEI M.-G., VASSART G., PARMENTIER
GENOMICS 16:248-251(1993).
                                                        70; Indels 10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         HOMO SAPIENS (HUMAN).
EUKARYOTA; METAZOA; CHORDATA; VERTEBRATA; TETRAPODA; MAMMALIA;
Length 355;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  278 IQETCQRRNDIDRALDATEILGFLHSCLNPIIYAFIGQNFRNGFLKML 325
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                276 NR-SCQSEKLIGYTKTVTEVLAFLHCCLNPVLYAFIGQKFRNYFLKIL 322
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J. BIOL. CHEM. 269:26381-26389(1994).
Score 990; DB 1; L
Pred. No. 6.81e-170;
78; Mismatches 70;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         350 AA.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              HOLMES W.E., LEE J., KUANG W
SCIENCE 253:1278-1280(1991).
Query Match 35.6%;
Best Local Similarity 45.1%;
Matches 130; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            STANDARD;
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MEDLINE; 95014476.
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IL8A_HUMAN
P25024;
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LITY, FENG J., TEMPLETON J.W.;
SUBMITTED (JAN-1996) TO EMEL/GENEANK/DDBJ DATA BANKS.
-! FUNCTION: RECEPTOR TO INTERLEUKIN-8, WHICH IS A POWERFUL
NEUTROPHILS CHEMOTACTIC FACTOR. BINDING OF IL-8 TO THE RECEPTOR
CAUSES ACTIVATION OF NEUTROPHILS. THIS RESPONSE IS MEDIATED VIA A
G-PROTEIN THAT ACTIVATE A PHOSPHATIDILINOSITOL-CALCIUM SECOND
MESSENGER SYSTEM. THIS RECEPTOR BINDS TO IL-8 WITH A HIGH AFFINITY
AND TO GRO/MGSA AND NAP-2 ALSO WITH A HIGH AFFINITY (BY
                                                                                                                                                                                                                                                                                   -:- SUBCELLULAR LOCATION: INTEGRAL MEMBRANE PROTEIN.
-:- SIMILARITY: BELONGS TO FAMILY 1 OF G-PROTEIN COUPLED RECEPTORS.
EMBL; 019947; G1145878; --
PROSITE: PS00237; G-PROTEIN RECEPTOR; 1.
G-PROTEIN COUPLED RECEPTOR; TRANSMEMBRANE; GLYCOPROTEIN;
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3 (POTENTIAL).
CYTOPLASMIC (POTENTIAL).
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CYTOPLASMIC (POTENTIAL).
6 (POTENTIAL).
EXTRACELLUIAR (POTENTIAL).
7 (POTENTIAL).
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EXTRACELLULAR (POTENTIAL)
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CYTOPLASMIC (POTENTIAL)
BY SIMILARITY.
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CYTOPLASMIC (
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Best Local Similarity 44.4%;
Matches 134; Conservative
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360 AA;
                           SEQUENCE FROM N.A
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        86 LLFALTLPIWAASKVNG-WIFGTFLCKVVSLLKEVNFYSGILLLACISVDRYLAIVHATR 144
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          145 TLTQK-RHL--VKFVCLGCWGLSMNLSLPFFLFRQAYHPNNSSPVC---YEVLGNDTAKW 198
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            :::: | ||||::|| |:||| |:|| |::|| |::|| |::|||:|||:|||:|| |::|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           25 YCAPCRRSGSSPG-YLYRIAYSLICVLGLLGNILVVITFAFYKKARSMTDVYLLNMAIAD 83
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             27 Y-SPCMLETETLNKYVVIIAYALVFLLSLLGNSLVMLVILYSRVGRSVTDVYLLNLALAD 85
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 RMVLRILPHTFGFIVPLFVMLFCYGFTLRTLFKAHMGQKHRAMRVIFAVVLIFLLCWLPY
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EUKARYOTA; METAZOA; CHORDATA; VERTEBRATA; TETRAPODA; MAMMALIA;
EUTHERIA; ARTIODACTYLA.
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01-NOV-1997 (REL. 35, LAST SEQUENCE UPDATE)
01-NOV-1997 (REL. 35, LAST ANDCATION UPDATE)
HIGH AFFINITY INTERLEUKIN-8 RECEPTOR B (IL-8R B) (CXCR-2)
                                                                                                                                                                                                                                                              RECEPTOR; TRANSMEMBRANE; GLYCOPROTEIN;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            EXTRACELLULAR (POTENTIAL) 5 (POTENTIAL).
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EXTRACELLIAR (POTENTIAL).
7 (POTENTIAL).
CYTOPLASMIC (POTENTIAL).
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CYTOPLASMIC (POTENTIAL).
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CYTOPLASMIC (POTENTIAL).
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Pred. No. 1.17e-168;
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7E6737E6 CRC32;
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POTENTIAL.
BY SIMILARITY.
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CYTOPLASMIC (F
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PROSITE; PS00237; G_PROTEIN_RECEPTOR;
G-PROTEIN COUPLED RECEPTOR; TRANSMEMBR
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119591; G559050;
119592; G559052;
186932; G186370;
1865858; G312047;
111870; G511805;
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                                                                                                                            PIR; A39445; A39445.
GCRDB; GCR_0175; -
GCRDB; GCR_0696; -
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Best Local Similarity
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ILBB_BOVIN
Q28003;
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                                                                                                                                                                                                                                                                                                                                                                                                              36 Y-SPCEISTETLNKYAVVVIDALVFLLSLLGNSLVMLVILYSRIGRSVTDVYLLNLAMAD 94
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       118B_RABIT STANDARD; PRT; 358 AA.
P35344;
01-JUN-1994 (REL. 29, CREATED)
01-JUN-1994 (REL. 29, LAST SEQUENCE UPDATE)
01-NOV-1997 (REL. 35, LAST ANNOTATION UPDATE)
HIGH AFFINITY INTERLEUKIN-8 RECEPTOR B (IL-8R B) (CXCR-2) (GRO/MGSA
                                                                             Pred. No. 2.02e-167;
78; Mismatches 78; Indels 12; Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            T--L-TQKWHWVKFICLGIWALSVILALPIFIFREAYQPPYSDLVC---YEDLGANTTKW
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                                                        ; DB 1; Length 360;
2.02e-167;
                  2B1DD168 CRC32;
                                                        Score 978;
Pred. No. 2
POTENTIAL
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378 AA

PRT;

STANDARD;

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CKR7_HUMAN
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                                                  STRAIN-ALBINO; TISSUE-BLOOD;
STRAIN-ALBINO; TISSUE-BLOOD;
STRAIN-ALBINO; TISSUE-BLOOD;
STRAIN-ALBINO; TISSUE-BLOOD;
STRAIN-ALBINO; TISSUE-BLOOD;
PRADO G.N., THOMAS K.M., SUZUKI H., LAROSA G.J., WILKINSON N.C.,
FOLCO E., NAVARRO J.;
J. BIOL. CHEM. 269:12391-12394(1994).
I- FUNCTION: RECEPTOR TO INTERLEBURIN-8, WHICH IS A POWERFUL NEUTROPHILS CHEMOTACTIC FACTOR. BINDING OF IL-8 TO THE RECEPTOR CAUSES ACTIVATION OF NEUTROPHILS. THIS RESPONSE IS MEDIATED VIA A G-PROTEIN THAT ACTIVATE A PHOSPHATIDYLINOSITOL-CALCIUM SECOND MESSENGER, SYSTEM. THE AFFINITY OF THIS RECEPTOR IS IL-8 >> NAP-2 >
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        145
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 95 FATTLPIWAASKVHG-WTFGTPLCKVVSLVKEVNFYSGILLLACISVDRYLAIVHATRIM 153
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          154 -IQKRHL--VKFICLSMWGVSLILSLPILLFRNAIFPPNSSPVC---YEDMGNSTAKWRM 207
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     208 VLRILPQTFGFILPLLVMLFCYVFTLRTLFQAHMGQKHRAMRVIFAVVLIFLLCWLPYNL 267
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        204 IMIGLELLFGFFIPLMFWIFCYTFIVKTLVQAQNSKRHKAIRVIIAVVLVFLACQIPHNM 263
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 94
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Gaps
                                                                                                                                                                 SUBCELULAR LOCATION: INTEGRAL MEMBRANE PROTEIN.
TISSUE SPECIFICITY: EXPRESSED PREFERENTIALLY IN NEUTROPHILS.
SIMILARITY: BELONGS TO FAMILY 1 OF G-PROTEIN COUPLED RECEPTORS.
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                ORYCTOLAGUS CUNICULUS (RABBIT).
EUKARYOTA; METAZOA; CHORDATA; VERTEBRATA; TETRAPODA; MAMMALIA;
EUTHERIA; LAGOMORPHA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                               11;
                                                                                                                                                                                                                                                                                                                                                                                                                                             Length 358;
                                                                                                                                                                                                                                                                                                                                                                                                                                                               77; Indels
                                                                                                                                                                                                                         PROSITE; PS00237; G_PROTEIN_RECEPTOR; 1.
G-PROTEIN COUPLED RECEPTOR; TRANSMEMBRANE; GLYCOPROTEIN;
                                                                                                                                                                                                                                                                                2 (POTENTIAL).
EXTRACELLUAR (POTENTIAL).
3 (POTENTIAL).
CYTOPLASMIC (POTENTIAL).
4 (POTENTIAL).
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CYTOPLASMIC (POTENTIAL).
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CYTOPLASMIC (POTENTIAL).
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CYTOPLASMIC (POTENTIAL)
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90C46E08 CRC32;
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POTENTIAL
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Conservative
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161
181
206
229
249
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                                                                                                                                                                                                                                                                                                                                                                                                                117
358 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                   Local Similarity
hes 132; Conser
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      ILBRB OR CXCR2
                                                                                                                                                           MGSA (GRO)
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RESULT

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-1- FONCTION: RECEPTOR FOR THE ELC/MIP3B CHEMOKINE. PROBABLE MEDIATOR OF EBY EFFECTS ON B LYMPHOCYTES OR OF NORMAL LYMPHOCYTE FUNCTIONS.
-1- SUBCELLULAR LOCATION: INTEGRAL MEMBRANE PROTEIN.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              118 AAKSWVFGVHFCKLIFAIYKMSFFSGMLLLLCISIDRYVAIVQAVSAHRHRARVLLISKL 177
                                                                                                                                                                                                                                                                                                                                         TISSUE-PLACENTA:
MEDLINE; 95154835
SCHWEICKART V.L., RAPORT C.J., GODISKA R., BYERS M.G., EDDY R.L. JR.,
SHOWS T.B., GRAY P.W.;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 FL-PIMYSIICFVGLLGNGLVVLTYIXFKRLKTMTDTYLLNLAVADILFLLTLPFWAYS- 117
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          -i- TISSUE SPECIFICITY: B- AND T- LYMPHOCYTE CELL LINES.
-i- INDUCTION: BY EBV.
EMBL. INDUCTION: BELONGS TO FAMILY 1 OF G-PROTEIN COUPLED RECEPTORS.
EMBL; L08176; G183485; -
EMBL; L31584; G468316; -
EMBL; L31584; G468316; -
EMBL; L31583; G468316; JOINED.
EMBL; L31583; G468316; JOINED.
                01-FEB-1996 (REL. 33, LAST SEQUENCE UPDATE)
01-NOV-1997 (REL. 35, LAST ANNOTATION UPDATE)
C-C CHEMOKINE RECEPTOR TYPE 7 PRECURSOR (C-C CKR-7) (CCR7) (EBV-INDUCED G PROTEIN-COUPLED RECEPTOR 1) (EBII) (BLR2).
CMCRB7 OR EBII OR EVII.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TRANSMEMBRANE; GLYCOPROTEIN; SIGNAL.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          7;
                                                                                                                                EUKARYOTA; METAZOA; CHORDATA; VERTEBRATA; TETRAPODA; MAMMALIA;
EUTHERIA; PRIMATES.
                                                                                                                                                                                                                                       BIRKENBACH M.P., JOSEFSEN K., YALAMANCHILI R.R., LENOIR G.M.,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   -
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          77; Mismatches 75; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          C-C CHEMOKINE RECEPTOR TYI EXTRACELLULAR (POTENTIAL)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   6 (POTENTIAL).
EXTRACELLULAR (POTENTIAL)
7 (POTENTIAL).
CYTOPLASMIC (POTENTIAL).
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EXTRACELLULAR (POTENTIAL)
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CYTOPLASMIC (POTENTIAL).
4 (POTENTIAL).
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CYTOPLASMIC (POTENTIAL).
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IW -> SA (IN REF. 1).

L -> I (IN REF. 1).

019600F0 CRC32;
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Pred. No. 6.36e-164;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     PROTEIN_RECEPTOR; 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           POTENTIAL.
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  CREATED)
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                                                                                                                                                                                                                                                                           VIROL. 67:2209-2220(1993)
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Local Similarity 45.7%;
les 134; Conservative
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247
263
289
313
331
36
36
                                                                                                                (HUMAN
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378 AA;
                                                                                                                                                                                                                                                                                                                    SEQUENCE FROM N.A.
                                                                                                                                                                                              SEQUENCE FROM N.A.
MEDLINE; 93188173.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          MIM; 600242; -. prosite; PS00237;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              GCR_0492;
                                                                                                                    HOMO SAPIENS
01-OCT-1993
                                                                                                                                                                                                                                                           ELLIOTT K.
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TRANSMEM
DOMAIN
CARBOHYD
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CONFLICT
SEQUENCE
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TRANSMEM
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DOMAIN
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TRANSMEM
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US-08-887-977-10.rsp

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FUNCTION: RECEPTOR TO INTERLEUKIN-8, WHICH IS A POWERFUL NEUTROPHILS CHEMOTACTIC FACTOR. BINDING OF IL-8 TO THE RECEPTOR CAUSES ACTIVATION OF NEUTROPHILS. THIS RESPONSE IS MEDIATED VIA A G-PROTEIN THAT ACTIVATE A PHOSPHATINDYLINOSITOL-CALCIUM SECOND MESSENOER SYSTEM. THIS RECEPTOR BINDS TO IL-8 WITH A HIGH AFFINITY AND TO GRO/MGSA AND NAP-2 ALSO WITH A HIGH AFFINITY.
                                                     234
                                                                                                                                                                                                               275
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        B) (CXCR-2) (FRAGMENT).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             SIMILARITY: BELONGS TO FAMILY 1 OF G-PROTEIN COUPLED RECEPTORS.
98 ATGAWVFSNATCKLLKGIYAINFNCGMLLLTCISMDRYIAIVQATKSFRLRSRTLPRSKI
                                                     178 SCVGIWILATVLSIPELLYSD-LQRSSSEQ-AMRCSLITEHVE-AFITIQVAQMVIGFLV
                                                                                      |: :| |: :: | : :::| |: ::|| |: ::|| |: ::|| |: ::|| |: :::|| |: :::|| |: :::|| |: :::|| |: :::|| |: :::|| |: :::|| |: :::|| |: :::|| |: :::|| |: :::|| |: :::|| |: :::|| |: :::|| |: :::|| |: :::|| |: :::|| |: :::|| |: :::|| |: :::|| |: :::|| |: :::|| |: :::|| |: :::|| |: :::|| |: :::|| |: :::|| |: :::|| |: :::|| |: :::|| |: :::|| |: :::|| |: :::|| |: :::|| |: :::|| |: :::|| |: :::|| |: :::|| |: :::|| |: :::|| |: :::|| |: :::|| |: :::|| |: :::|| |: :::|| |: :::|| |: :::|| |: :::|| |: :::|| |: :::|| |: :::|| |: :::|| |: :::|| |: :::|| |: :::|| |: :::|| |: :::|| |: :::|| |: :::|| |: :::|| |: :::|| |: :::|| |: :::|| |: :::|| |: :::|| |: :::|| |: :::|| |: :::|| |: :::|| |: :::|| |: :::|| |: :::|| |: :::|| |: :::|| |: :::|| |: :::|| |: :::|| |: :::|| |: :::|| |: :::|| |: :::|| |: :::|| |: :::|| |: :::|| |: :::|| |: :::|| |: :::|| |: :::|| |: :::|| |: ::|| |: ::|| |: ::|| |: ::|| |: ::|| |: ::|| |: ::|| |: ::|| |: ::|| |: ::|| |: ::|| |: ::|| |: ::|| |: ::|| |: ::|| |: ::|| |: ::|| |: ::|| |: ::|| |: ::|| |: ::|| |: ::|| |: ::|| |: ::|| |: ::|| |: ::|| |: ::|| |: ::|| |: ::|| |: ::|| |: ::|| |: ::|| |: ::|| |: ::|| |: ::|| |: ::|| |: ::|| |: ::|| |: ::|| |: ::|| |: ::|| |: ::|| |: ::|| |: ::|| |: ::|| |: ::|| |: ::|| |: ::|| |: ::|| |: ::|| |: ::|| |: ::|| |: ::|| |: ::|| |: ::|| |: ::|| |: ::|| |: ::|| |: ::|| |: ::|| |: ::|| |: ::|| |: ::|| |: ::|| |: ::|| |: ::|| |: ::|| |: ::|| |: ::|| |: ::|| |: ::|| |: ::|| |: ::|| |: ::|| |: ::|| |: ::|| |: ::|| |: ::|| |: ::|| |: ::|| |: ::|| |: ::|| |: ::|| |: ::|| |: ::|| |: ::|| |: ::|| |: ::|| |: ::|| |: ::|| |: ::|| |: ::|| |: ::|| |: ::|| |: ::|| |: ::|| |: ::|| |: ::|| |: ::|| |: ::|| |: ::|| |: ::|| |: ::|| |: ::|| |: ::|| |: ::|| |: ::|| |: ::|| |: ::|| |: ::|| |: ::|| |: ::|| |: ::|| |: ::|| |: ::|| |: ::|| |: ::|| |: ::|| |: ::|| |: ::|| |: ::|| |: ::|| |: ::|| |: ::|| |: ::|| |: ::|| |: ::|| |: ::|| |: ::|| |: ::|| |: ::|| |: ::|| |: ::|| |: ::|| |: ::|| |: ::|| |: ::|| |: ::|| |: ::|| |: ::|| |: ::|| |: ::|| |: ::|| |: ::|| |: ::|| |: :|| |: ::|| |: ::|| |: ::|| |
                                                                                                                                                            PLLAMSFCYLVIIRTLLQARNFERNKAIKVIIAVVVVFIVFQLPYNGVVLAQTVANFNIT
                                                                                                                                                                                    s:
                                                                                                                                                                                                                                                                                          276 NRSCQSEKLIGYTKTVTEVLAFLHCCLNPVLYAFIGQKFRNYFLKILKDLWCV 328
                                                                                                                                                                                                                                                                295 SSTCELSKQLNIAYDVTYSLACVRCCVNPFLYAFIGVKFRNDLFKLFKDLGCL 347
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      MACACA MULATTA (RHESUS MACAQUE).
EURARYOTA; METAZOA; CHORDATA; VERTEBRATA; TETRAPODA; MAMMALIA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     S., GONZALEZ-ROCES
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Length 353;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  PROSITE; PS00237; G_PROTEIN_RECEPTOR; 1.
G-PROTEIN COUPLED RECEPTOR; TRANSMEMBRANE; GLYCOPROTEIN;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               EXTRACELLULAR (POTENTIAL).
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CYTOPLASMIC (POTENTIAL).
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                       01-NOV-1997 (REL. 35, CREATED)
01-NOV-1997 (REL. 35, LAST SEQUENCE UPDATE)
01-NOV-1997 (REL. 35, LAST ANNOFATION UPDATE)
HIGH AFFINITY INTERLEUKIN-8 RECEPTOR B (ILL-8R
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      MW; B592FE64 CRC32;
                                                                                                                                                                                                                                                                                                                                                                                                                         353 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     BY SIMILARITY. POTENTIAL.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ALVAREZ V., COTO E., SETIEN F., GONZALEZ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               CYTOPLASMIC
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                                                                                                                                                                                                                                                                                                                                                                                                                         PRT;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     IMMUNOGENETICS 43:261-267(1996)
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43.0%;
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                                                                                                                                                                                                                                                                                                                                                                                                                         STANDARD;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             EMBL; X91116; E198176;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Local Similarity
les 129; Conser
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              EUTHERIA; PRIMATES
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               SEQUENCE FROM N.A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          96175151
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   CXCR2
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SEQUENCE
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DOMAIN
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94 FALTLPIWAASKVNG-WIFGTFLCKVVSLLKEVNFYSGILLLACISVDRYLAIVHATRTL 152
                                                                                                                                    203
                                                                                                                                                                                                                         263
                                                                                                                                                                                                                                                                                        GENOMICS 23:643-650(1994).
-!- FUNCTION: RECEPTOR FOR THE ELC/MIP3B CHEMOKINE. PROBABLE MEDIATOR
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               60 FL-PLMYSVICFVGLLGNGLVILLTYIYFKRLKTMTDTYLLNLAVADILFLLILPFWAYSE 118
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      SCHWEICKART V.L., RAPORT C.J., GODISKA R., BYERS M.G., EDDY R.L. JR.
SHOWS T.B., GRAY P.W.;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Gaps
                                                                                                                                                                                                  267 VLLADTLMRTQVIQETCERRNHIDRALDATEILGILHSCLNPLIYAFIGQKFRHGLLKIL
                         153 TQK-RYL--VKFICLSIWGLSLLLALPYLLFRRTVYSSNVSPAC---YEDMGNNTANWRM
                                                                                                                                                                           LIRILPQSFGFIVPLLIMLFCYGFTLRTLFKAHMGQKHRAMRVIFAVVLIFLLCWLPYSL
                                                                                                                                                                                                                                                                                                                                                                                                                                        01-FEB-1996 (REL. 33, CREATED)
01-FEB-1996 (REL. 33, LAST SEQUENCE UPDATE)
01-NOV-1997 (REL. 35, LAST ANNOTATION UPDATE)
C-C CHEMOKINE RECEPTOR TYPE 7 PRECURSOR (C-C CKR-7) (CCR7) (EBV-INDUCED G PROTEIN-COUPLED RECEPTOR 1) (EBII).
CMKBR7 OR EBII OR EBIIH.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TRANSMEMBRANE; GLYCOPROTEIN; SIGNAL
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               EUKARYOTA; METAZOA; CHORDATA; VERTEBRATA; TETRAPODA; MAMMALIA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   7;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Length 378;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      C-C CHEMOKINE RECEPTOR TYPE EXTRACELLULAR (POTENTIAL).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   78; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          2 (POTENTIAL).
EXTRACELLULAR (POTENTIAL)
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EXTRACELLULAR (POTENTIAL)
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EXTRACELLULAR (POTENTIAL)
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CYTOPLASMIC (POTENTIAL).
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CYTOPLASMIC (POTENTIAL).
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9602A43B CRC32;
                                                                                                                                                                                                                                                                                                                                                                                                  378 A.A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 74; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (POTENTIAL)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      POTENTIAL
                                                                                                                                                                                                                                                                                                                                                                                                    PRT;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      STRAIN-B6/CBA; TISSUE-THYMUS; MEDLINE; 95154835.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    SEQUENCE FROM N.A.
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248
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P47774;
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82; Mismatches 78; Indels 11;

Pred. No.

Conservative

Matches

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-! FUNCTION: RECEPTOR TO INTERLEUKIN-8, WHICH IS A POWERFUL
NEUTROPHILS. CHEMOTACTIC FACTOR. BINDING OF IL-8 TO THE RECEPTOR
CAUSES ACTIVATION OF METUPOPHILS. THIS RESPONSE IS MEDIATED VIA A
G-PROTEIN THAT ACTIVATE A PHOSPHATIDYLINOSITOL-CALCIUM SECOND
MESSENGER SYSTEM. THIS RECEPTOR BINDS TO IL-8 WITH A HIGH AFFINITY
AND TO GROANGARA AND NAP-2 ALSO WITH A HIGH AFFINITY.
-! SUBCELLULAR LOCATION: INTEGRAL MEMBRANE PROTEIN.
-! SUBLIBERATIVE.
                                                                                                                                                                                                                                    SCVGIWMLALFLSIPELLYSGLQKNSGEDT -- LRCSLVSAQVE-ALITIQVAQMVFGFLV 234
                                                                                                                                                                                                       PMLAMSFCYLIIIRTLLQARNFERNKAIKVIIAVVVVFIVFQLPYNGVVLAQTVANFNIT 294
AK-SWIFGVYLCKGIFGIYKLSFFSGMLLLLCISIDRYVAIVQAVSRHRHRARVLLISKL 177
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   B) (CXCR-2) (FRAGMENT).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           72; Indels 10; Gaps
                                                                                                                                  NSSCETSKQLNIAYDVTYSLASVRCCVNPFLYAFIGVKFRSDLFKLFKDLGCL 347
                                                                                                                                                                                                                                                                                                                                         EUKARYOTA; METAZOA; CHORDATA; VERTEBRATA; TETRAPODA; MAMMALIA;
EUTHERIA; PRIMATES.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           s.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ALVAREZ V., COTO E., SETIEN F., GONZALEZ S., GONZALEZ-ROCES LOPEZ-LARREA C.;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Score 951; DB 1; Length 353;
Pred. No. 7.25e-162;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     EMBL; X91113; E198174; -.
PROŠITE; PSO0237; G_PROTEIN_RECEPTOR; 1.
G-PROTEIN COUPLED RECEPTOR; TRANSMEMBRANE; GLYCOPROTEIN; CHEMOTAXIS.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  2 (POTENTIAL).
EXTRACELLULAR (POTENTIAL).
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CYTOPLASMIC (POTENTIAL).
4 (POTENTIAL).
EXTRACELLULAR (POTENTIAL).
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CYTOPLASMIC (POTENTIAL).
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CYTOPLASMIC (POTENTIAL).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      CYTOPLASMIC (POTENTIAL)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              01-NOV-1997 (REL. 35, CREATED)
01-NOV-1997 (REL. 35, LAST SEQUENCE UPDATE)
01-NOV-1997 (REL. 35, LAST ANNOTATION UPDATE)
HIGH AFFINITY INTERLEUKIN-8 RECEPTOR B (IL-8R
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      39998 MW; F4564B58 CRC32;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                      353 AA
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                    PRT;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 PAN TROGLODYTES (CHIMPANZEE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         74.2%;
Local Similarity 43.8%;
les 126; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                    STANDARD;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         353 AA;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                 IL8B_PANTR
028807;
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TRANSMEM
DOMAIN
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SEQUENCE
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TRANSMEM
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YFVVIIYALVFLLSLLGNSLVMLVILYSRVGRSVTDVYLLNLALADLLFALTLPIWAASK 105

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CHARACTERIZATION.

MEDLINE; 9235587.

A LEE J., HOROKR K., RICE G.C., BENNETT G.L., CAMERATO T., WOOD W.I.;

LEE J., HOROKR R., RICE G.C., BENNETT G.L., CAMERATO T., WOOD W.I.;

L. J. BIOL. CHEM. 267:16283-16287(1992).

-I- FUNCTION: RECEPTOR TO INTERLEUKIN-8, WHICH IS A POWERFUL

NEUTROPHILS CHEMOTACTIC FACTOR. BINDING OF IL-8 TO THE RECEPTOR

CAUSES ACTIVATION OF NEUTROPHILS. THIS RESPONSE IS MEDIATED VIA A
G-PROTEIN THAY ACTIVATE A PHOSPHATINING OF IL-8 WITH A HIGH AFFINITY

MRSSENGER SYSTEM. THIS RECEPTOR BINDS TO IL-8 WITH A HIGH AFFINITY

CHOSELLULAR LOCATION: INTERACE AND MENSANE PROTEIN.

-I- SIMILARITY: BELONGS TO FAMILY I OF G-PROTEIN COUPLED RECEPTORS.

REMBL; M99412, G576679; -..

REMBL; M99412, G576679; -..

REMBL; U19693; G559054; -..

REMBL; U19693; G559054; -..

REMBL; U11869; G511803; -..

REMBL; U11869; G511803; -..

REMBL; U11869; G511803; -..

REMBL; U11869; G511803; -..

REMBL; H7846; A33446.
                                                                                                                      216 IPLMFWIFCYTFIVKTLVQAQNSKRHKAIRVIIAVVLVFLACQIPHNMVLLVTAANLGKM 275
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          MEDLINE; 93205012.
CERRETTI D.P., KOZLOSKY C.J., VANDEN BOS T., NELSON N., GEARING D.P.,
BECKMANN M.P.;
                                                                98 ATGAWVESNATCKLLKGIYAINFNCGMLLLTCISMDRYIAIVQATKSFRLRSRTLPRSKI 157
38 YLTRIAYSLICVLGLLGNILVVITFAFYKKARSMTDVYLLNMAIADILFVLTLPFWAVSH 97
                                                                                                                                                                                                                                                                                                                                                                                                                                   B) (CXCR-2) (GRO/MGSA
                              VNG-WIFGTFLCKVVSLLKEVNFYSGILLLACISVDRYLAIVHATRTLTOK-RYL--VKF
                                                                                                    ICLSIWGLSLLLALPVLLFRRTVYSSNVSPAC---YEDMGNNTANWRMLLRMLPQSFGFI
                                                                                                                                                                      VPLLIMLFCYGFTLRTLFKAHMGQKHRAMRVIFAVVLIFLLCWLPYNLVLLADTLMRTQV
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  HOMO SAPIENS (HUMAN).
EUKARYOTA; METAGA; CHORDATA; VERTEBRATA; TETRAPODA; MAMMALIA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  KENGER H., LLOYD A.R., LAUTENS L.L., BONNER T.I., KELVIN
BIOL. CHEM. 269:11065-11072(1994).
                                                                                                                                                                                                                                                            276 NR-SCQSEKLIGYTKTVTEVLAFLHCCLNPVLYAFIGQKFRNYFLKIL 322
                                                                                                                                                                                                                                         279 IQETCERRNHINRALDATEILGILHSCLNPLIYAFIGQKFRHGLLKIL
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TISSUE-PLACENTA;
MEDLINE; 95014476.
AHUJA S.K., SHETTY A., TIFFANY H.L., MURPHY P.M.
J. BIOL. CHEM. 269:26381-26389(1994).
                                                                                                                                                                                                                                                                                                                                                                                               01-FEB-1996 (REL. 33, LAST SEQUENCE UPDATE)
01-NOV-1997 (REL. 35, LAST ANDORATION UPDATE)
HEGH AFFINITY INTERLEMENT 8 RECEPTOR B (IL-8R RECEPTOR) (IL-8 RECEPTOR TYPE 2).
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                                                                                                                                                                                                                                                                                                                                                                               01-MAY-1992 (REL. 22, CREATED)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                MOL. IMMUNOL. 30:359-367(1993)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        MEDLINE; 91368200.
MURPHY P.M., TIFFANY H.L.;
SCIENCE 253:1280-1283(1991).
                                                                                                                                                                                                                                                                                                                                                 STANDARD;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       EUTHERIA; PRIMATES
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      SECUENCE FROM N.A.
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P25025;
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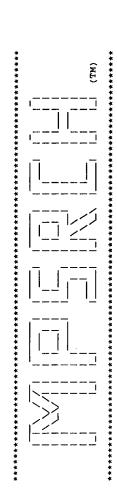
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-i- SIMILARITY: BELONGS TO FAMILY 1 OF G-PROTEIN COUPLED RECEPTORS. EMBL; X91114; E198175; -. PROSITE; PS00237; G_PROTEIN_RECEPTOR; 1. G-PROTEIN COUPLED RECEPTOR; TRANSMEMBRANE; GLYCOPROTEIN;
                                                                                                                                                                                                                                                                          2 (POTENTIAL). EXTRACELLULAR (POTENTIAL).
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EXTRACELLULAR (POTENTIAL)
5 (POTENTIAL).
CYTOPLASMIC (POTENTIAL).
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CYTOPLASMIC (POTENTIAL).
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CYTOPLASMIC (POTENTIAL).
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     ALSO
                              INTEGRAL
       AND NAP-2
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Local Similarity 43.8%;
Local Similarity 43.8%;
Les 126; Conservative
AND TO GRO/MGSA AND NA SUBCELLULAR LOCATION:
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353
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P51679;
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IMMUNGENETICS 43:261-267(1996).
-!- FUNCTION: RECEPTOR TO INTERLEUKIN-8, WHICH IS A POWERFUL
NEUTROPHILS CHEMOTACTIC FACTOR. BINDING OF IL-8 TO THE RECEPTOR
CAUSES ACTIVATION OF NEUTROPHILS. THIS RESPONSE IS MEDIATED VIA A
G-PROTEIN THAT ACTIVATE A PHOSPHATIDYLINOSITOL-CALCIUM SECOND
MESSENGER SYSTEM. THIS RECEPTOR BINDS TO IL-8 WITH A HIGH AFFINITY.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           109 VNG-WIFGTFLCKVVSLLKEVNFYSGILLLACISVDRYLAIVHATRILIQK-RYL--VKF 164
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       165 ICLSIWGLSLLLALPVLLFRRTVYSSNVSPAC---YEDMGNNTANWRMLLRILPQSFGFI 221
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            222 VPLLIMLFCYGFTLRTLFKAHMGQKHRAMRVIFAVVLIFLLCWLPYNLVLLADTLMRTQV 281
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        HIGH AFFINITY INTERLEUKIN-8 RECEPTOR B (IL-8R B) (CXCR-2) (FRAGMENT)
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EURARYOTA; METAZOA; CHORDATA; VERTEBRATA; TETRAPODA; MAMMALIA.
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ALVAREZ V., COTO E., SETIEN F., GONZALEZ S., GONZALEZ-ROCES
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Score 951; DB 1; Length 360;
Pred. No. 7.25e-162;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          282 IQETCERRNHIDRALDATEILGILHSCLNPLIYAFIGGKFRHGLLKIL 329
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     276 NR-SCQSEKLIGYTKTVTEVLAFLHCCLNPVLYAFIGQKFRNYFLKIL 322
                                                                                                                       TRANSMEMBRANE; GLYCOPROTEIN;
                                                                                                                                                                                                                                           2 (POTENTIAL).
EXTRACELLULAR (POTENTIAL).
3 (POTENTIAL).
CYTOPLASMIC (POTENTIAL).
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EXTRACELLULAR (POTENTIAL).
7 (POTENTIAL).
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CYTOPLASMIC (POTENTIAL)
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135ECEAE CRC32;
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01-NOV-1997 (REL. 35, LAST SEQUENCE UPDATE)
01-NOV-1997 (REL. 35, LAST ANNOTATION UPDATE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             80; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          353 AA
                                                                                                                                                                                                1 (POTENTIAL)
CYTOPLASMIC (
                                                                                                                                                                                                                                                                                                                                                                                              (POTENTIAL)
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                                                                                             PROSITE; PS00237; G_PROTEIN_RECEPTOR; 1, G-PROTEIN COUPLED RECEPTOR; TRANSMEMBRAN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  POTENTIAL
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GORILLA GORILLA (LOWLAND
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                    GCR_0610;
GCR_1001;
GCR_0077;
                                                                       MIM; 146928
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Q28422;
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POWER C.A., MEYER A., NEMETH K., BACON K.B., HOGGEWERF A.J.,
PROUDFOOT A.E.I., WELLS T.N.C.;
J. BIOL. CHEM. 270:19495-19500(1995).
-1- FUNCTION: RECEPTOR FOR A C-C TYPE CHEMOKINE. BINDS TO MIP-1-ALPHA
AND RANTES AND SUBSEQUENTLY TRANSDUCES A SIGNAL BY INCREASING THE
INTRACELLULAR CALCIUM IONS LEVEL.
                                                                         46 YEVVIIYALVELLSLLGNSLVILVILYSRVGRSVTDVYLLNLALADLLFALTLPIWAASK 105
                                                                                                                                                                          98 ATGAWVESNATCKLLKGIYAINFNCGMLLLTCISMDRYIAIVQATKSFRLRSRTLPRSKI 157
                                                                                                                                                                                                                              162 ICLSIWGLSLLLALPVLLFRRTIYPSNVSPVC---YEDMGNNTANWRMLLRILPQSFGFI 218
                                                                                                                                                                                                                                                                                                         219 VPLLIMLFCYGFTLRTLFKAHMGQKHRAMRVIFAVVLIFLLCWLPYNLVLLADTLMRTQV 278
                                                                                                                                                    106 VNG-WIFGTFLCKVVSLLKEVNFYSGILLLACISVDRYLAIVHATRTLTQK-RYL--VKF 161
                                     73; Indels 10; Gaps
                                                                                               EUKARYOTA; METAZOA; CHORDATA; VERTEBRATA; TETRAPODA; MAMMALIA;
EUTHERIA; PRIMATES.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        01-0CT-1996 (REL. 34, CREATED)
01-0CT-1996 (REL. 34, LAST SEQUENCE UPDATE)
01-0CT-1996 (REL. 34, LAST ANNOTATION UPDATE)
C-C CHEMOKINE RECEPTOR TYPE 4 (C-C CKR-4) (K5-5).
CMKBR4.
Score 945; DB 1; Length 353;
                                                                                                                                                                                                                                                                                                                                                                                     279 IQETCERRNHINQALDATEILGILHSCLNPLIYAFIGQKFCHGLLKIL 326
                                                                                                                                                                                                                                                                                                                                                                                                           Pred. No. 1.24e-160;
79; Mismatches 73;
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12;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           FSLRARTLIYGVITSLATWSVAVFASLPGFLFSTCYTERNHTYCKTKY-SLNSTT-WKVL 201
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     202 S-SLEINILGLVIPLGIMLFCYSMIIRTLQHCKNEKKNKAVKMIFAVVVLFLGFWTPYNI 260
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               261 VLFLETLVELEVL-QDCTFERYLDYAIQATETLAFVHCCLNPIIYFFLGEKFRKYILQLF 319
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Score 927; DB 1; Length 360;
Pred. No. 6.19e-157;
81; Mismatches 78; Indels 13; Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                               28 PCTKEGIKAFGELFLPPLYSLVFVFGLLGNSVVVLVL-FKYKRLRSMTDVYLLNLAISDL 86
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  -!- SUBCELLULAR LOCATION: INTEGRAL MEMBRANE PROTEIN.
-!- TISSUE SPECIFICITY: RESTRICTED TO LEUKOCYTE-RICH TISSUES.
-!- SIMILARITY: BELONGS TO FAMILY 1 OF G-PROTEIN COUPLED RECEPTORS.
EMBL; X85740; G971452; -.
G-PROTEIN, COUPLED RECEPTOR; 1.
G-PROTEIN COUPLED RECEPTOR; TRANSMEMBRANE; GLYCOPROTEIN.
DOMAIN.
1 39
EXTRACELLULAR (POTENTIAL).
                                                                                                                                                                        3 (POTENTIAL).
CYTOPLASMIC (POTENTIAL).
4 (POTENTIAL).
EXTRACELLULAR (POTENTIAL)
                                                                                                                                                                                                                                   5 (POTENTIAL).
CYTOPLASMIC (POTENTIAL).
6 (POTENTIAL).
EXTRACELLULAR (POTENTIAL).
                                                                                                          1 (POTENTIAL).
CYTOPLASMIC (POTENTIAL).
2 (POTENTIAL).
EXTRACELLULAR (POTENTIAL)
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CYTOPLASMIC (POTENTIAL).
                                                                                                                                                                                                                                                                                                                                                       BY SIMILARITY.
8738E75E CRC32;
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                                                                                                                                                                                                                                                                                                                                                                       41402 MW;
                                                                                                                                                                                                                                                                                                                                                                                                   Query Match 33.4%;
Best Local Similarity 42.9%;
Matches 129; Conservative
                                                                                                                                                                                                                                  226
242
267
284
284
308
360
183
183
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protein - protein database search, using Smith-Waterman algorithm MPsrch_pp Run on:

Fri Nov 13 12:06:08 1998; MasPar time 21.91 Seconds 829.627 Million cell updates/sec

Tabular output not generated.

(1-365) from US08887977.pep 2779 >US-08-887-977-10 Title:

Description: Perfect Score: Sequence:

1 MFSTPVKIILCQSILHITQL..........NISRQTSETADNDNASSFTM 365

PAM 150 Gap 11 Scoring table:

165420 segs, 49795644 residues Searched:

Minimum Match 0% Listing first 45 summaries Post-processing:

Database:

sptrembl6
1:sp_archea 2:sp_bacteria 3:sp_fungi 4:sp_human
5:sp_invertebrate 6:sp_mammal 7:sp_anc 8:sp_organelle
9:sp_phage 10:sp_plant 11:sp_rodent 12:sp_unclassified
13:sp_vertebrate 14:sp_virus

SUMMARIES

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

Mean 47.707; Variance 110.430; scale 0.432

Statistics:

6e-113 0.00e+00 INTERLEUKIN-8-LIKE REC
RECEPTOR PROTEIN CRR3.
G PROTEIN-COUPLED RECE
CHEMOKINE RECEPTOR CCR
CCR5 RECEPTOR (FRAGMEN
CCR5 RECEPTOR G PROTEIN-COUPLED RECE Description 042444 055169 015185 0054814 062746 062745 062747 018770 018770 014694 Query Match Length DB Score Result ٠ ي

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                                                                                                                                                                                                                                                             44 YSLICVLGLIGNILVV-ITFAFYKKARSMIDVYLLANMAIADILFVLTLPFWAVSHATGAW 102
                                                                                                                                                                                                                                                                                           113 SFGLGLCKVTSAFYKINFFSSMLLLTCISVDRYVVIVQTTMAQNSKRQRLSCSKFVCACV 172
                                                                                                                                                                                                                                                                                                       222
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        GFGHCMCKMLSGLYYLALYSEIFFIILLTIDRYLAIVHAV--LALRARTVTFATITSIIT 161
                                                                                                                                                                                                                                                 54 YWSIVILGGLGNLTVVWIYLHFRQRLKTMTDIYLLNLAVADLFFLGTLPLWAV-EANQGW 112
                                                                                                                                                                                                                                                                                                                                    173 WLLAVLLALPEFMFANVKELDGQFYCTMVYWS-NQNNRTKIVVLGLQICMGFCLPLLVMV 231
                                                                                                                                                                                                                                                                                                                                                                             232 FCYAGIIRTLLKTRSFQKHKALRVILVVVAVFVLSQLPYNSVLVMEATQAANSTQTDCSA 291
                                                                                                                                                                                                                                                                                                                                                                                          45 YSLVFIVGLIGNMYVVLILIKYRKLQIMTNIYLLNLAISDLLFLFTVPFW-IHYVLWNEW 103
                                                                                                                                                                                                                                 Gaps
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                                                                                                                                                                                                                                                                                                                                               ONCORHYNCHUS MYKISS (RAINBOW TROUT) (SALMO GAIRDNERI).
EUKARYOTA: METAZOA; CHORDATA; VERTEBRATA; PISCES; GNATHOSTOMATA;
OSTEICHTHYES; ACTINOPTERYGII; SALMONIFORMES.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               RATTUS NORVEGICUS (RAT).
EUKARYOTA; METAZOA; CHORDATA; VERTEBRATA; TETRAPODA; MAMMALIA;
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                                                                                                                                                                                                         Length 368;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  В.Е.;
                                                                                                                                                                                                        Score 833; DB 13; Length 36
Pred. No. 1.60e-119;
76; Mismatches 86; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Score 824; DB 11; Length 35
Pred. No. 6.32e-118;
91; Mismatches 76; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  STRAIN-WISTAR; TISSUE-SPLEEN;
HARRINGTON P.M., NEWTON D.J., COLEMAN J.W., FLANAGAN SUBMITTED (JAN-1998) TO EMBL/GENBANK/DDBJ DATA BANKS.
EMBL; X13400; E1247073; -
SEQUENCE 359 AA; 41609 MW; 874DF714 CRC32;
                                                                                                                              SEQUENCE FROM N.A.

ZOU J., DANIELS G.D., CUNNINGHAM C., SECOMBES C.J.;
ZOU J., DANIELS G.D., CUNNINGHAM C., SECOMBES C.J.;
ZOU J., DANIELS G.D., CUNNINGHAM C., SECOMBES C.J.;
EMBL, AJ003159; E1193478;
PFOMO J. Tuml.
                                                                                                                                                                                                                                                                                                                                                                                                                      292 AKRFNVVSQVLKSLAYTHACLNPFLYVFVGVRFRRDILKLLR 333
                                                                                                                                                                                                                                                                                                                                                                                                                                05, LAST SEQUENCE UPDATE)
07, LAST ANNOTATION UPDATE)
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LAST SEQUENCE UPDATE)
LAST ANNOTATION UPDATE)
                                                                                                                                                                                    368 AA; 41523 MW; 56D3903B CRC32;
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                                                 CREATED)
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                           PRT;
                        04244
042444;
01-74N-1998 (TREMBLREL. 05, Ci
01-74N-1998 (TREMBLREL. 05, Li
01-74N-1998 (TREMBLREL. 07, Li
INTERLEUKIN-8-LIKE RECEPTOR.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         06,
06,
06,
                                                                                                                                                                                                        Match 30.0%;
Local Similarity 41.1%;
les 116; Conservative
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055169
055169
01-JUN-1998 (TREMBLREL. 06
01-JUN-1998 (TREMBLREL. 06
RECEPTOR PROTEIN CKR3.
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                                                                                                                                                                                     SEQUENCE
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STRAIN-WISTAR; TISSUE-SPLEEN;
JIANG Y., SALAFRANCA M.N., ADHIRARI S., XIA Y., FENG L., SONNTAG M.K.,
DEFIEBRE C.M., PENNELL N.A., STREIT W.J., HARRISON J.K.;
                                                                                                                                                                         222 IFCYTFIVKTLVQAQNSKRHKAIRVIIAVVLVFLACQIPHNMVLLVTAANLGKMNRSCQS 281
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         YSLLFLLGLLGNGAVRAVLLSRRTALSSTDTFLLHLAVADTLLVLTLPLWAVD-AAVQWV 165
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     FGSGLCKVAGALFNINFYAGALLLACISFDRYLNIVHATQLYR-RGPP-ARVTLTCLAVW 223
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          104 FSNATCKLLKGIYAINFNCGMLLLTCISMDRYIAIVQATKSFRLRSRTLPRSKIICLVVW 163
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               CYAHILAVLLVSRGQRRLRAMRLVVVVVVAFALCWTPYHLVVLVDILMDLGALARNCGRE 340
103 VFSNATCKLLKGIYAINFNCGMLLLTCISMDRYIAIVQATKSFRLRSRTLPRSKIICLVV 162
                                                                                                                                               220 VICYSGIIKTLLRCPNKKKHKAIQLIFVVMIVFFIFWTPYNLVLLLSAFHSTFLETSCQQ
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                                               WGLAVLAALPEFIFHESQDNFGDLSCSPRYPE-GEEDSWKRFHALRMNI-FGLALPLLIM
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               EUKARYOTA; METAZOA; CHORDATA; VERTEBRATA; TETRAPODA; MAMMALIA;
EUTHERIA; PRIMATES.
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EUKARYOTA; METAZOA; CHORDATA; VERTEBRATA; TETRAPODA; MAMMALIA;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          283 KLIGYTKTVTEVLAELHCCLNPVLYAFIGQKFRNYFLKILKDLWCVRRK 331
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Length 415;
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06, LAST ANNOTATION UPDATE)
                                                                                                                                                                                                                                                                             282 EKLIGYTKTVTEVLAFLHCCLNPVLYAFIGGKFRNYFLKIL 322
                                                                                                                                                                                                                                                280 SIHLDLAMQVTEVITHTHCCINPIIYAFVGERFRKH-LRLF 319
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Score 820; DB 4; Le
Pred. No. 3.24e-117;
76; Mismatches 94;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      SEQUENCE FROM N.A.

GUTIERREZ J., VARONA R., ZABALLOS A., LIND P., 1
SUBMITTED (SEP-1996) TO EMBL/GENBANK/DDBJ DATA 1
EMBL; Z79783; E2264773; -.
PFAM, PF00001; 7tm_1.
SEQUENCE 415 AA; 45608 MW; EBODF045 CRC32;
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38.8%;
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nes 112; Conservative
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01-JUN-1998 (TREMBLREL.
01-JUN-1998 (TREMBLREL.
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01-AUG-1998
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Gaps

95

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352 AA

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96 FGNTMCQLLTGVYFIGFFSGIFFIILLTIDRYLAIVHAV--FALKARTVTFGLVTSVITW 153
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      146 RLRSRTLPRSKIICLVVWGLSVIISSSTFVFNQKYNTQGSD-VCEPKYQTVSEPIRWK-L 203
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     19 PCQKINGKQIAARLLPPLYSLVFIFGFVGNILVVLILINCKRLKSMTDIYLLNLAISDLL 78
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       01-AUG-1998 (TREMBLREL. 07, CREATED)
01-AUG-1998 (TREMBLREL. 07, LAST SEQUENCE UPDATE)
01-AUG-1998 (TREMBLREL. 07, LAST ANNOTATION UPDATE)
CHEMOKINE RECEPTOR CCR5.
CERCOCEBUS TORGUTUS ATYS (RED-CROWNED MANGABEY) (SOOTY MANGABEY).
EUKARXOTA, METAZOA, CHORDATA; VERTEBRATA; TETRAPODA; MAMMALIA;
EUTHERIA, PRIMATES.
                                                                                                 CERCOCEBUS TORQUATUS ATYS (RED-CROWNED MANGABEY) (SOOTY MANGABEY).
EUKARYOTA; METAZOA; CHORDATA; VERTEBRATA; TETRAPODA; MAMMALIA;
EUTHERIA; PRIMATES.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              37 YSLVFIFGFVGNILVVLILINCKRLKSMTDIYLLNLAISDLLFLLTVPFWA-HYAAAQWD
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          154 VVAVFASLPGIIFTRS-QREGLHYTCSPHFPYSQYQF-WKNFQTLKIVIL-GLVLPLLVM
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           28 PCRR-SGSS-PGYLYRIAYSLICVLGLLGNILVVITFAFYKKARSMTDVYLLNMAIADIL
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     211 VICYSGILKTLLRCRNEKKRHRAVRLIFTIMIVYFLFWAPYNIVLLLNTFQEFFGLN-NC
                                                                                                                                                                                                                                                                                                  Score 799; DB 6; Length 352;
Pred. No. 1.70e-113;
87; Mismatches 73; Indels 11;
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Pred. No. 2.55e-113;
92; Mismatches 80; Indels 13;
                    07, CREATED)
07, LAST SEQUENCE UPDATE)
07, LAST ANNOTATION UPDATE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         CHEN Z., GETTIE A., HO D.D., MARX P.A.;
VIROLGY 0:0-0(1998).
EMBL, AF031905; G3133302; -.
SEQUENCE 352 AA, 40489 MW; FB9CE731 CRC32;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      CHEN Z., GETILE A., HO D.D., MARX P.A.;
VIROLOGY 0:0-0(1998).
WENDL, AF051904; Ga3133300; -
SEQUENCE 352 AA; 40460 MW; E6A5AA07 CRC32;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   270 SSSNRLDQAMQVTETLGMTHCCINPIIYAFVGEKFRNYLL
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match 28.7%;
Best Local Similarity 37.9%;
Matches 113; Conservative
                                                                                                                                                                                                                                                                                                  Query Match 28.8%;
Best Local Similarity 38.9%;
Matches 109; Conservative
                    01-AUG-1998 (TREMBLREL. 01-AUG-1998 (TREMBLREL. 01-AUG-1998 (TREMBLREL. CHEMOKINE RECEPTOR CCR5.
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                                                                                                                                                                              SEQUENCE FROM N.A.
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062745
062745;
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                                                                                                                                                          45 YSLVFIVGLLGNMMVVLILIKYRKLQIMTNIYLLNLAISDLLFLFTVPFW-IHYVLWNEW 103
                                                                                                                                                                                44 YSLICVLGLLGNILVVITFAFYKKARSMTDVYLLNMAIADILFVLTLPFWAVSHAT-GAW 102
                                                                                                                                                                                                                                       161
                                                                                                                                                                                                                                                            162 WGFAVLAALPEFIFHESQDNFGDLSCSPRYPE-GEEDSWKRFHALRMNI-FGLALPLLIM 219
                                                                                                                                                                                                                                                                                                                                                                                                220 VICYSGIIKTLLRCPNKKKHKAIQLIFVVMIVFFIFWTPYNLVLLLSAFHSTFLETSCQQ 279
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               154 VVAVFASLPGIIFTRS-QREGLHYTCSPHFPYSQYQF-WKNFQTLKIVIL-GLVLPLLVM 210
                                                                                                                                                                                                                                                                                                                                                                                                                        44 YSLICVLGLLGNILVVITFAFYKKARSMTDVYLLNMAIADILFVLTLPFWAVSHATGAWY 103
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           96 FGNTKCQLLTGLYFIGFFSGIFFIILLTIDRYLAIVHA--GFALKARTVTFGVVTSVITW 153
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              211 VICYSGILKTILLRCRNEKKRHRAVRLIFTIMIVYFLFWAPYNIVLLLNTFQEFFGLN-NC 269
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               37 YSLVFIFGFVGNILVVLILINCKRLKSMTDIYLLNLAISDLLFLLTVPFWA-HYAAAQWD 95
                                                                                                                     Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  01-AUG-1998 (TREMBLREL. 07, CREATED)
01-AUG-1998 (TREMBLREL. 07, LAST SEQUENCE UPDATE)
01-AUG-1998 (TREMBLREL. 07, LAST ANNOTATION UPDATE)
CHEMOKINE RECEPTOR CCR5.
CERCOCEBUS TORQUATUS ATYS (RED-CROWNED MANGABEY) (SOOTY MANGABEY).
EUKARYOTA, METAZOA, CHORDATA, VERTEBRATA, TETRAPODA; MAMMALIA;
EUTHERIA; PRIMATES.
                                                                                                                                                                                                                                                                                                                                           104 GFGHCMCKMLSGLYYLALYSEIFFIILLTIDRYLAIVHAV--LALRARTVTFATITSIIT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            IFCYTFIVKTLVQAQNSK-RHKAIRVIIAVVLVFLACQIPHNMVLLVTA-ANLGKMNRSC
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                                                                               Length 359;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                             280 SIHLDLAMQVTEVITHTHCCINPIIYAFVGERFRKH-LRLF 319
                                                                           Score 817; DB 11; L
Pred. No. 1.10e-116;
92; Mismatches 76;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    270 SSSNRLDQAMQVTETLGMTHCCINPIIYAFVGEKFRNYLL 309
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J. NEUROIMMUNOL. 0:0-0(1998).
EMBL; AF003954; G2897073; -.
SEQUENCE 359 AA; 41643 MW; CIFC70CA CRC32;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            SEQUENCE FROM N.A.
CHEN Z., GETTIE A., HO D.D., MARX P.A.;
VIROLOGY 0:0-0(1998).
EMBI. AF051902; G3135296; -.
SEQUENCE 352 AA; 40407 MW; 1716CC5C CRC32;
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                                                                             29.4%;
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nes 105; Conserv
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nes 109; Conser
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194 QTLKIVIL-GLVLPLLVMVICYSGILKTLLRCRNEKKRHRAVRLIFTIMIVYFLFWAPYN 252
                    96 FGNTMCQLLTGLYFIGFFSGIFFIILLTIDRYLAIVHAV--FALKARTVTFGLVTSVITW 153
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                                                                               Gaps
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01-AUG-1998 (TREMBLREL. 07, LAST SEQUENCE UPDATE)
01-AUG-1998 (TREMBLREL. 07, LAST SEQUENCE UPDATE)
CHEMOKINE RECEPTOR CCR5.
CERCOCCEBUS TORQUATUS ATYS (RED-CROWNED MANGABEY) (SOOTY MANGABEY).
EUKARYOTA, METAZOA; CHORDATA; VERTEBRATA; TETRAPODA; MAMMALIA;
EUTHERIA; PRIMATES.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    104 FSNATCKLLKGIYAINFNCGMLLLTCISMDRYIAIVQATKSFRLRSRTLPRSKIICLVVW
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Score 796; DB 6; Length 352;
Pred. No. 5.76e-113;
87; Mismatches 73; Indels 11;
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EUKARYOTA; METAZOA; CHORDATA; VERTEBRATA; TETRAPODA; MAMMALIA;
EUTHERIA; PRIMATES.
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LAST ANNOTATION UPDATE)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                            CHEN Z., GETTIE A., HO D.D., MARX P.A.;
VIROLOGY 0:0-0(1998).
VIROLOGY 3:013135298; -.
SEQUENCE 352 AA; 40503 MW; C922372D CRC32;
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352 AA; 40523 MW; FIC10E99 CRC32;
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HO D.D.;
AIDS RES. HUM. RETROVIRUSES 0:0-0(1997).
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                                                                                                                                                                                                                      PRT;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         28.6%;
Local Similarity 38.9%;
les 109; Conservative
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PFAM; PF00001; 7tm_1.
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Best Local S
Matches 10
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SEQUENCE
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                                                                                                                      96 FGNTMCQLLTGLYFIGFFSGIFFIILLTIDRYLAIVHAV--FALKARTVTFGVVTSVITW 153
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В
                                                                                                37 YSLVFIFGFVGNILVVLILINCKRLKSMTDIYLLNLAISDLLFLLTVPFWA-HYAAAQWD 95
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                                                 Gaps
                                                                                                                                                                                                                                                                                                                    164 GLSVIISSSTFVFNQKYNTQGSD-VCEPKYQTVSEPIRWK-LIMIGLELLFGFFIPLMFM
                                                                                                                                                                                                                                                                                                                                                                                      211 VICYSGILKTLLRCRNEKKRHRAVRLIFTIMIVYFLFWAPYNIVLLLNTFQEFFGLNNCS
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       HAHN
Score 786; DB 6; Length 352;
Pred. No. 3.39e-111;
87; Mismatches 75; Indels 11;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  EUKARYOTA; METAZOA; CHORDATA; VERTEBRATA; TETRAPODA; MAMMALIA;
EUTHERIA; PRIMATES.
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Pred. No. 1.98e-109;
92; Mismatches 73; Indels 11;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ZHANG L., CARRUTHERS C.D., HE T., HUANG Y., CAO Y., WANG G., HO D.D.;
HO D.D.;
EMBLS RES. HUM. RETROVIRUSES 0:0-0(1997).
EMBL, AF011536; G2305190; -.
EMBL, AF011536; G2305186; -.
PEMBL, AF011534; G2305186; -.
PFAM: PFO0001; 7HL.L.
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LAST SEQUENCE UPDATE)
LAST ANNOTATION UPDATE)
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06,
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1 Similarity 37.1%;
104; Conservative
Query Match 28.3%;
Best Local Similarity 38.2%;
Matches 107; Conservative
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SEQUENCE
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HOMO SAPIENS (HUMAN).
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                                                                                                                                                                                                                                                                                                      JIANG Y., SALAFRANCA M.N., ADHIKARI S., XIA Y., FENG L., SONNTAG M.K., DEFIEBER C.M., PENNELL N.A., STREIT W.J., HARRISON J.K.; J. NEUNCHMUNDL. 0:0-0(1998).

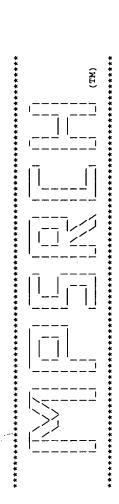
EMBL: U77349; G2896818; ---
SEQUENCE 373 Aa; 42763 MW; 14578A08 CRC32;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  104 FLLTLPFWA-HYAANEWVFGNIMCKLFTGLYHIGYFGGIFFIILLTIDRYLAIVHAV--F 160
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      216 TIMRNILSLILPLLVMVICYSGILHTLFRCRNEKKRHRAVRLIFAIMIVYFLFWTPYNIV 275
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        161 ALKARTVTFGVITSVVTWVVAVFASLPGIIFTKSEQEDDQHTCGP-Y--FP-TI-WKNFQ 215
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              276 LFLTTFQEFLG-MS-NCVVDMHLDQAMQVTETLGMTHCCVNPIIYAFVGEKFRRY-LSIF 332
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            : :::::||: |::||: |::||: |: |: |
206 LGLELLFGFFIPLMFMIFCYTFIVKTLVQAQNSK-RHKAIRVIIAVVLVFLACQIPHNMV 264
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                                                                                                                                                                RATTUS NORVEGICUS (RAT).
EUKARYOTA; METAZOA; CHORDATA; VERTEBRATA; TETRAPODA; MAMMALIA;
EUTHERIA; RODENTIA.
                                                                                                                                                                                                                                                                                                                                                                                                                                              Score 772; DB 11; Length 373;
Pred. No. 1.01e-108;
90; Mismatches 81; Indels 16;
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EUTHERIA; PRIMATES.
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LT 12
055193
055193
(055193;
01-JUN-1998 (TREMBLREL. 06, CREATED)
01-JUN-1998 (TREMBLREL. 06, LAST SEQUENCE UPDATE)
01-JUN-1998 (TREMBLREL. 06, LAST SEQUENCE UPDATE)
CHEMOKINE RECEPTOR CCR2.
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01-JAN-1998 (TREMBLREL. 05, CREATED)
01-JAN-1998 (TREMBLREL. 05, LAST SEQUENCE UPDATE)
CCRS RECEPTOR (FRAGMENT).
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Best Local Similarity 36.8%; Pred. No. 3.42e-108;
Matches 103; Conservative 92; Mismatches 74;
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352 AA; 40598 MW; A9BF8EDF CRC32;
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Best Local Similarity 37.7%;
Matches 113; Conservative
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PFAM; PF00001; 7tm_1.
NON_TER 352
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AIDS RES.
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222 IFCYTFIVKTLVQAQNSK-RHKAIRVIIAVVLVFLACQIPHNMVLLVTA-ANLGKMNRSC 279
                                                         211 VICYSGILKTLLRCRNEKKRHRAVRLIFTIMIVYFLFWAPYDIVLLLNTFQEFFGLN-NC 269
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FGNTMCQLLTGLYFIGFFSGIFFIILLTIDRYLAIVHAV - FALKARTVTFGVVTSVITW 153
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STRAIN-CHCCR5-141A;
ZHANG L., CARRUTHERS C.D., HE T., HUANG Y., CAO Y., WANG G., HAHN
                                                                                                                                                                                                  154 VVAVFASLPGIIFTRS-QKEGLHYTCSSHFPYSQYQF-WKNFQTLKIVIL-GLVLPLLVM
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EUKARYOTA; METAZOA; CHORDATA; VERTEBRATA; TETRAPODA; MAMMALIA;
EUTHERIA; PRIMATES.
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05, LAST SEQUENCE UPDATE)
06, LAST ANNOTATION UPDATE)
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LAST SEQUENCE UPDATE)
LAST ANNOTATION UPDATE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  270 SSSNRLDQAMQVTETLGMTHCCINPIIYAFVGEKFRNYLL 309
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Pred. No. 3.42e-108;
92; Mismatches 75;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              352 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              384
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AIDS RES. HUM. RETROVIRUSES 0:0-0(1997).
EMBL; AF011539; G2305196; -.
FAM; PF00001; 7tm_1.
NON_TER 352 A3; 40466 MW; D52C67E1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              PRT;
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000537
000537
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000537;
01-JUG-1997 (TREMBLREL. 04, C
01-JUL-1997 (TREMBLREL. 04, L
01-AUG-1998 (TREMBLREL. 07, L
CHEMOKINE RECEPTOR CCR-9.
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Local Similarity 36.9%;
Les 103; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       01-JAN-1998 (TREMBLREL.
01-JAN-1998 (TREMBLREL.
01-JUN-1998 (TREMBLREL.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                CCR5 RECEPTOR (FRAGMENT) CCR5.
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Query Match 27.6%; Score 766; DB 4; Length 384;
Best Local Similarity 37.5%; Pred. No. 1.16e-107;
Matches 111; Conservative 84; Mismatches 90; Indels 11; Gaps 10;
                                                                                                                                                                                                                                                                   155 LRTRA--KSLLLATIVWAVSLAVSIPDMVFVQTHENPRGVWNCHADFGGHG-TI-WKLFL 210
                                                                                                                                                                                                                                                                                                                                                              96 LVTLPFWGISVAW-HWVFGSFLCKMVSTLYTINFYSGIFFISCMSLDKYLEIVHAQPYHR 154
                                                                                                                                                                                                                                                                                                                         36 CRKDAVVSFGKVFLPVFYSLIFVLGLSGNLLLLMVLLRYVPRRRMVEIYLLNLAISNLLF 95
                                                                                                                                                                                                              EUKARYOTA; METAZOA; CHORDATA; VERTEBRATA; TETRAPODA; MAMMALIA;
EUTHERIA; PRIMATES.
                           [1]
SEQUENCE FROM N.A.
NIBBS R.J.B., LOWE S., GRAHAM G.J.;
NIBBS R.J.B., LOWE S., GRAHAM G.J.;
SUBMITTED (APR-1997) TO EMBL/GENBANK/DDBJ DATA BANKS.
EMBL: Y12815; E322086; -.
PFAM; PF00001; 7tm_1.
SEQUENCE 384 AA: 43442 MW; AB852379 CRC32;
 SORRERROS
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Search completed: Fri Nov 13 12:07:58 1998 Job time : 110 secs.



Release 3.1A John F. Collins, Biocomputing Research Unit. Copyright (c) 1993-1998 University of Edinburgh, U.K. Distribution rights by Oxford Molecular Ltd

protein - protein database search, using Smith-Waterman algorithm MPsrch_pp

Fri Nov 13 12:08:17 1998; MasPar time 4.12 Seconds 627.819 Million cell updates/sec Run on:

Tabular output not generated.

>US-08-887-977-10 (1-365) from US08887977.pep 2779 1 MFSTPVKIILCQSILHITQL.......NISRQTSETADNDNASSFTM 365 Description: Perfect Score: Sequence:

PAM 150 Gap 11 Scoring table:

77309 seqs, 7078906 residues Searched:

Post-processing: Minimum Match 0% Listing first 45 summaries

Database:

Mean 32.245; Variance 146.091; scale 0.221 a-issued 1:5_COMB 2:PCT9_COMB 3:backfiles1 Statistics: Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

	Pred. No.	8.26e-79	8.26e-79	8.26e-79	8.26e-79	8.26e-79	8.26e-79	8.26e-79	1.15e-76	1.15e-76	1.15e-76	1.15e-76	1.15e-76	1.15e-76	9.77e-76	9.77e-76	9.77e-76	9.77e-76	ij	H	H	H	1.35e-73	1.50e-71
	Description	Sequence 7, Applicatio	7	તે	Sequence 2, Applicatio	ř	m	Sequence 7, Applicatio	13		Sequence 15, Applicati	Sequence 15, Applicati	,	,	ω̈	÷,	Sequence 8, Applicatio	7,	Sequence 24, Applicati	Sequence 24, Applicati	'n	Sequence 2, Applicatio	'n	Sequence 38, Applicati
COLUMNICS	Q QI	T-US95-0	US-08-701- S	US-08-410- S			US-08-410- S	US-08-450- S	PCT-US93-1 S	US-08-153- S	PCT-US93-1 S	US-08-153- S	US-08-153- S		PCT-US95-0 S	us-07-759- s		US-08-202- S	US-08-153- S	PCT-US93-1 S		us-08-383- s	0	US-08-118- S
	DB	N	Н	H	-	-	Н	H	N	۲-4	N	Н	_	~	~	н	Н	Н	Н	7	Н	Н	N	Н
	Length 1	350	350	350	350	350	350	350	358	358	378	378	410	410	355	355	355	360	359	359	378	378	378	312
æ	Query	35.4	35.4	35.4	35.4	35.4	35.4	35.4	•	34.6	34.6	•	34.6	٠	•	•	•	34.2	34.1	34.1	33.4	33.4	33.4	32.6
	Score	984	984	984	984	984	984	984	961	961	961	961	196	196	951	951	951	951	948	948	928	928	928	906
	Result No.	-	7	m	4	S	9	7	∞	თ	10	11	12	13	14	15	16	17	18	19	20	21	22	23

1.50e-72 2.248e-65 2.248e-65 2.248e-65 3.345e-55 3	
Sequence 38, Application Sequence 5, Application Sequence 5, Application Sequence 2, Application Sequence 3, Application Sequence 4, Application Sequence 2, Application Sequence 2, Application Sequence 2, Application Sequence 6, Application Sequence 6, Application Sequence 32, Application Sequence 46, Application Sequence 46, Application Sequence 46, Application Sequence 47, Application Sequen	ALIGNMENTS ANDARD; PRT; 350 AA. PC/TUS9500476 ents of the University of California MAMALIAN MONOCYTE CHEMOATTRACTANT PROTEIN RECEPTORS: 14 PROTEIN RECEPTORS: 14 SS Berliner & Carson igueroa Street, 5th Floor Street, 5th Flo
312 2 PCT-US93-0 S 355 1 US-08-012- S 355 2 1 US-08-450- S 354 1 US-08-451- S 360 2 PCT-US95-0 S 374 2 US-08-461- S 374 2 US-08-461- S 375 2 US-08-450- S 375 2 US-08-451- S 375 2 US-08-451- S 375 2 PCT-US93-1 S 355 2 PCT-US93-1 S 355 2 PCT-US93-1 S 355 1 US-08-153- S	ALIGNMENTS ALIGNMENTS APPLICATION PC/TUS9500476 NFORMATION: MAMALIAN MONOCO NE SEQUENCES: 14 ONDEROR ADDRESS: 20 TINCER PROPERIN RECEPTO OF SEQUENCES: 14 ONDEROR ADDRESS: 16 ACA ANGELS LOS ANGELS IT: 201 N. Figueroa Street, 5 LOS ANGELS TR: 201 N. Figueroa Street, 5 ONDEROR ADDRESS: 10 ONDEROR ADDRESS: 10 TRACE ANGELS TR: 201 N. Figueroa Street, 5 COA ANGELS TR: 201 N. Figueroa Street, 5 TR: 310-977-1003
24 906 32.6 25 839 30.2 27 839 30.2 28 836 30.2 29 755 27.2 31 755 27.2 32 751 27.0 33 771 25.9 44 717 25.8 45 717 25.8 45 717 25.8	CT-US95-0C KXXXX equence 7, sequence 7, sequence 7, sequence 7, APPLICA TITLE CITY: COMPUPER COMPUPER COMPUPER COMPUPER COMPUPER COMPUPER APPLICA TELES APPLICA TELES
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ATTORNEY/AGENT INFORMATION:
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                                                                                                                               SEQUENCE
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                                                                                                          145 TLTQK-RHL--VKFVCLGCWGLSMNLSLPFFLFRQAYHPNNSSPVC---YEVLGNDTAKW 198
                                                                                                                                                                                                                   86 LLFALTLPIWAASKVNG-WIFGTFLCKVVSLLKEVNFYSGILLLACISVDRYLAIVHATR 144
                                                                                                                                                 199 RMVLRILPHTFGFIVPLFVMLFCYGFTLRTLFKAHMGQKHRAMRVIFAVVLIFLLCWLPY 258
                                                                                                                                                                                       :::: | ||||::|| |:||| |::|| |::|| |::|| |::|||:|||:|||:|||:||| :02 KLLMLGLELLFGFFIPLMFMIFCYTFIVKTLVQAQNSRRHKAIRVIIAVVLVFLACQIPH 261
                                                                     27 Y-SPCMLETETLNKYVVIIAYALVFLLSLLGNSLVMLVILYSRVGRSVTDVYLLNLALAD 85
                                        Gaps
                 Score 984; DB 2; Length 350;
Pred. No. 8.26e-79;
76; Mismatches 80; Indels 12;
                                                                                                                                                                                                                                                                                                                                                                                                                              APPLICANT: Churtharapai, Anan
APPLICANT: Lee, James
APPLICANT: Hebert, Caroline
APPLICANT: Jin Kim, K.
TITLE OF INVENTION: Antibodies to Human PF4A Receptors
NUMBER OF SEQUENCES: 6
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
COMPUTER: IBM PC compatible
                                                                                                                                                                                                                                                                                                                      350 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: WinPatin (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/701,265
FILING DATE: 22-AUG-1996
CLASSIFICATION: 424
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ADDRESSEE: Genentech, Inc.
STREET: 460 Point San Bruno Blvd
CITY: South San Francisco
STATE: California
 350 AA; 39805 MW; 660082 CN;
                                                                                                                                                                                                                                                                                                                       PRT;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/076093
FILING DATE: 11-Jun-1993
APPLICATION NUMBER: 07/810782
FILING DATE: 19-DEC-1991
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/67211
FILING DATE: 29-MAR-1991
                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 2, Application US/08701265
Patent No. 5776457
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                               Sequence 2, Application US/08701265
                                                                                                                                                                                                                                                                                                                      STANDARD;
                  Match 35.4%;
Local Similarity 44.4%;
les 134; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            USA
                                                                                                                                                                                                                                                                                                                    US-08-701-265-2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           COUNTRY:
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IL 322
                                                                                                                                                                                                                                                           319 IL 320
SEQUENCE
                   Query Match
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                                                                                                                                                                                                                                                                              321
                                       Matches
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145 TLTQK-RHL--VKFVCLGCWGLSMNLSLPFFLFRQAYHPNNSSPVC---YEVLGNDTAKW 198
:: : | | | |::| | ||||::| : : : |
144 SFRLRSRTLPRSKIICLVVWGLSVIISSSTFVFNQKYNTQGSD-VCEPKYQTVS-EPIRW 201
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  86 LLFALTLPIWAASKVNG-WIFGTFLCKVVSLLKEVNFYSGILLLACISVDRYLAIVHATR 144
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    202 KLIMLGLELLFGFFIPLMFMIFCYTFIVKTLVQAQNSKRHKAIRVIIAVVLVFLACQIPH 261
                                                                                                                                                                                                                                                                                                                                                                                                                                                                   27 Y-SPCMLETETLNKYVVIIAYALVFLLSLLGNSLVMLVILYSRVGRSVTDVYLLNLALAD 85
                                                                                                                                                                                                                                                                                                                                                                                               Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      199 RMVLRILPHTFGFIVPLFVMLFCYGFTLRTLFKAHMGQKHRAMRVIFAVVLIFLLCWLPY
                                                                                                                                                                                                                                                                                                                                           Query Match 35.4%; Score 984; DB 1; Length 350; Best Local Similarity 44.4%; Pred. No. 8.26e-79; Matches 134; Conservative 76; Mismatches 80; Indels 12;
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COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk COMPUTER: IBM PC compatible OPERATING SYSTEM: PC-DOS/Ms-r---SOFTWARE: Winb=+/
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ¥.
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NAME: LOVE, RICHARG B
REGISTRATION NUMBER: 34,659
REFERENCE/DOCKET NUMBER: 706P2
TELECOMMUNICATION INFORMATION:
TELEPRONE: 415/952-9881
TELEFAX: 415/952-9881
TELEX: 910/371-7168
INFORMATION FOR EQ. ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 350 amino acids
TYPE: Amino Acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ADDRESSEE: Genentech, Inc.
STREET: 460 Point San Bruno Blvd
CITY: South San Francisco
STATE: California
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               PRT;
                                                                                                                                                                                                                                                                             JOGY: Linear
350 AA; 39805 MW; 660082 CN;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence 1, Application US/08410454A Patent No. 5783415 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Sequence 1, Application US/08410454A
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                APPLICANT: Lee, James, APPLICANT: Holmes, William E., APPLICANT: Woods, William I.
TITLE OF INVENTION: Human PF4A
NUMBER OF SEQUENCES: 2
CORRESPONDENCE ADDRESS:
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145 TLTQK-RHL--VKFVCLGCWGLSMNLSLPFFRQAYHPNNSSPVC---YEVLGNDTAKW 198
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          259 NLVLLADTLMRTQVIQETCERRNNIGRALDATEILGFLHSCLNPIIYAFIGQNFRHGFLK 318
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            27 Y-SPCMLETETLNKYVVIIAYALVFLLSLLGNSLVMLVILYSRVGRSVTDVYLLNLALAD 85
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         :: : | | | |::|| |||||: :| :| | | |: : : :|
144 SFRLRSRTLPRSKIICLVVWGLSVIISSSTFVFNQKYNTQGSD-VCEPKYQTVS-EPIRW
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              199 RWYLRILPHTFGFIVPLFVMLFCYGFTLRTLFKAHMGOKHRAMRVIFAVVLIFLLCWLPY
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             35.4%; Score 984; DB 1; Length 350; 44.4%; Pred. No. 8.26e-79; arive 76; Mismatches 80; Indels 12;
                                                                                                      COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       350 AA.
                                                                                                                                                                    SOFTWARE: WinPatin (Geneticch)
CURRENT APPLICATION DARA:
APPLICATION NUMBER: US/08/076,093A
FILING DATE: 11-Jun-1993
CLASSIFICATION: 530
PRIOR APPLICATION DATA:
APPLICATION DATA:
APPLICATION UNDERS: 07/810782
FILING DATE: 19-DEC-1991
APPLICATION NUMBER: 07/67211
APPLICATION NUMBER: 07/67211
ATTORNEY/AGENT INFORMATION:
NAMME: LOVE, RIChard B
REGISTRATION NUMBER: 34,659
                            STREET: 460 Point San Bruno Blvd CITY: South San Francisco
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TOPOLOGY: Linear
NCE 350 AA; 39805 MW; 660082 CN;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       PRT;
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                                                                                                                                                                                                                                                                                                                                                                                                  REFERENCE/DOCKET NUMBER: 70:
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415/225-5530
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  350 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    STANDARD;
                                                                                                                                                                                                                                                                                                                                                                                                                                              TELEFAX: 415/952-981
TELEX: 910/371-7168
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
              Genentech,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Local Similarity 44.4%;
les 134; Conservative
                                                             STATE: California
COUNTRY: USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Amino Acid
                                                                                           ZIP: 94080
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  US-08-202-056-1
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                                                                                                                                                                                                                                                                                                                                                                                                               Score 984; DB 1; Length 350;
Pred. No. 8.26e-79;
76; Mismatches 80; Indels 12;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence 2, Application US/08076093A
Patent No. 5543503
GENERAL INFORMATION:
APPLICANT: Chuntharapai, Anan
APPLICANT: Lee, James
APPLICANT: Hebert, Caroline
APPLICANT: Jin Kim, K.
TILLOY: NIVENTION: Antibodies to Human PF4A Receptors
NUMBER OF SEQUENCES: 6
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       350 AA.
                                                                     PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/234494
FILING DATE: 28-APR-1994
PRIOR APPLICATION NUMBER: 07/677211
FILING DATE: 29-MAR-1991
ATTORNET/AGENT INFORMATION:
NAME: LOVE, RICHARD B.
REGISTRATION NUMBER: 34,659
REFERENCE/DOCKET NUMBER: P0706C1D3
Z4-Mar-1995
24-Mar-1995
N: 435
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       PRT;
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                                                                                                                                                                                                                  REFERENCE/DOCKET NUMBER: PO
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415/225-5530
TELEFAX: 415/952-9881
                                                                                                                                                                                                                                                                                 TELEX: 910/371-7168
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                   LENGIH: 350 amino acids IYPE: Amino Acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       STANDARD;
           CURRENT APPLICATION DATA:
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Best Local Similarity 44.4%;
Matches 134; Conservative
                            APPLICATION NUMBER:
                                         FILING DATE: 24 CLASSIFICATION:
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IL 322
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Best Local Similarity 44.4%;
Matches 134; Conservative
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STREET: 1 1
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         US-08-410-453A-1
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Score 984; DB 1; Length 350;
Pred. No. 8.26e-79;
76; Mismatches 80; Indels 12; Gaps
   Sequence 1, Application US/08202056
Patent No. 5440021
GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: Chuntharapai, Anan
APPLICANT: Kim, Kyung Jin
APPLICANT: Kim, Kyung Jin
APPLICANT: Lee, James
TILLE OF INVENTION: Antibodies to Human IL-8 Type B Receptor
NUMBER OF SEQUENCES: 8
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                       ZIP: 94000
COMPUTER READABLE FORM:
MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk
COMPUTER: IBM PC compatible
COMPUTER: PC-DOS/MS-DOS
                                                                                                                                                                                                                                CURRENT APPLICATION (Geneticch)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/202,056
FILING DATE: 25-FEB-1994
CLASSIFICATION: 436
                                                                                                                            ADDRESSEE: Genentech, Inc.
STREET: 460 Point San Bruno Blvd
CITY: South San Francisco
STATE: California
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 JOGY: linear
350 AA; 39805 MW; 660082 CN;
                                                                                                                                                                                                                                                                                                                                                                                   REFERENCE/DOCKET NUMBER: 706P3
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415/225-5530
                                                                                                                                                                                                                                                                                                           PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/677211
FILING DATE: 29-MAR-1991
ATTOMEY/AGENT INFORMATION:
NAME: LOVE, RICHARD B.
REGISTRATION NUMBER: 34,659
                                                                                                                                                                                                                                                                                                                                                                         34,659
                                                                                                                                                                                                                                                                                                                                                                                                                      TELEFAX: 415/952-9881
TELEX: 910/371-7168
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
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Best Local Similarity 44.4%;
Matches 134; Conservative
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IL 322
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145 TLTQK-RHL--VKFVCLGCWGLSMNLSLPFFLFRQAYHPNNSSPVC---YEVLGNDTAKW 198
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Pred. No. 8.26e-79;
76; Mismatches 80; Indels 12; Gaps
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                                  Sequence 1, Application US/08410453A
Patent No. 5767063
GENERAL INFORMATION:
APPLICANT: He, James, APPLICANT: Holmes, William E.,
APPLICANT: Woods, William I.
TILLE OF INVENTION:
TITLE OF INVENTION:
NUMBER OF SEQUENCES: 2
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                           COMPOTER READABLE FORM:
MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
COMPUTER: IBM PC compatible
COMPUTER: PC compatible
COMPUTER: PC compatible
SYSTEM: PC-DOS/MS-DOS
SOFTWARE: WinPatin (Genentech)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            CLASSIFICATION NUMBER: US/08/410,453A
FILING DATE: 24-Mar-1995
CLASSIFICATION NUMBER: US/08/410,453A
FILING DATE: 28-Mar-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/234494
FILING DATE: 28-Mar-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/677211
ATTORNEY AGENT INFORMATION:
NAME: LOVE, RICHARD B.
REGISTRATION NUMBER: 34,659
REFERENCE/DOCKET NUMBER: 34,659
REFERENCE/DOCKET NUMBER: P0706CID1
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
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350 AA; 39805 MW; 660082 CN;
Sequence 1, Application US/08410453A
                                                                                                                                                                                                                                                                                Genentech, Inc.
                                                                                                                                                                                                                                                                                                                                CITY: South San Francisco STATE: California
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TELEFAX: 650/952-9881
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
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Amino Acid
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                                               202 KLIMLGLELLFGFFIPLMFMIFCTTFIVKTLVQAQNSKRHKAIRVIIAVVLVFLACQIPH
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GENERAL INFORMATION:
APPLICANT: Godiska, Ronald
APPLICANT: Gray, Patrick W.
APPLICANT: Schweikart, Vicki L.
TITLE OF INVENTION: NOVEL Seven Transmembrane Receptors
NUMBER OF SEQUENCES: 64
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Length 358;
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Pred. No. 1.15e-76;
77; Mismatches 75; Indels
                                                                                                                                                                                                                                                                                                                                                                                        ADDRESSEE: Marshall, O'Toole, Gerstein, Murray & ADDRESSEE: Bicknell
                                                                                                                                                                                                                                                                                                                                                                                                               6300 Sears Tower, 233 South Wacker Drive
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US93/11153
                                                                                                                                                                                                   358 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE: 17-NOV-1992
ATTORNEY/AGENT INFORMATION:
NAME: NOLANG Greta E.
REGISTRATION NUMBER: 35,302
                                                                                                                                                                                                   PRT;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TOPOLOGY: linear
MOLECULE TYPE: protein
JENCE 358 AA: 40690 MW; 701130 CN;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC COMPATIBLE
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                      Sequence 19, Application PC/TUS9311153
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TELECOMMUNICATION INFORMATION:
TELEPHONE: (312) 474-6300
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                19:
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TELEFAX: (312) 474-0448
TELEX: 25-3856
INFORMATION FOR SEQ ID NO: 19-
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                   STANDARD;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    REFERENCE/DOCKET NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    : 358 amino acids amino acids
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COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match 34.6%;
Best Local Similarity 45.7%;
Matches 134; Conservative
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                                                                                                                                                                                                 PCT-US93-11153-19
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                   COUNTRY:
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| 1L 322
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Pred. No. 8.26e-79;
76; Mismatches 80; Indels 12; Gaps
                                                                                                                                                                                                                                GENERAL INFORMATION:
APPLICANT: Charo, Israel
APPLICANT: Coughlin, Shaun
TITLE OF INVENTION: WAMMALIAN MONOCYTE CHEMOATTRACTANT
TITLE OF INVENTION: PROTEIN RECEPTORS
NUMBER OF SEQUENCES: 14
CORRESPONDENCE ADDRESS:
ADDRESSEE: Cooley Godward Castro Huddleson & Tatum
STREET: 5 Palo Alto Square
                                                                                                                                                                                                                                                                                                                                                              COUNTRY: USA
ZIF: 94306-2155
COMPUTER READABLE FORM:
MEDIUM TYPE: FLOPPY disk
COMPUTER: IBM PC COMPAtible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PAtentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
                                                                                                                  350 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ATTORNEY/AGENT INFORMATION:
NAME: Cserr, Luann
REGISTRATION NUMBER: 31,822
REGISTRATION NUMBER: UCAL-237/02US
TELECOMMUNICATION INFORMATION:
TELEPAX: 415-843-5165
TELEFAX: 415-8857-0663
                                                                                                                                                                                                                                                                                                                                                                                                                                                         APPLICATION NUMBER: US/08/450,393A FILING DATE: May 25, 1995 CLASSIFICATION: 424
                                                                                                                  PRT;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     350 AA; 39805 MW; 660082 CN;
                                                                                                                                                                                                           Sequence 7, Application US/08450393A Patent No. 5707815
                                                                                                                                                                                      Sequence 7, Application US/08450393A
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               LENGTH: 350 amino acids
TYPE: amino acid
TOPOLOGY: linear
                                                                                                                  STANDARD;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TELEFAX: 415-8857-0663
TELEX: 380816CooleyPA
INFORMATION FOR SEQ ID NO:
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Best Local Similarity 44.4%;
Matches 134; Conservative
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STATE: California
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MOLECULE TYPE: pr
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TLTQK-RHL--VKFVCLGCWGLSMNLSLPFFLFRQAYHPNNSSPVC---YEVLGNDTAKW 198

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217 PLMFMIFCYTFIVKTLVQAQNSKRHKAIRVIIAVVLVFLACQIPHNMVLLV-TAANLGKM 275
                                                                        98 AAKSWVFGVHFCKLIFAIYKMSFFSGMLLLLCISIDRYVAIVQAVSAHRHRARVLLISKL 157
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                                                                                                                                                                                158 SCVGIWILATVLSIPELLYSD-LQRSSSEQ-AMRCSLITEHVE-AFITIQVAQMVIGFLV 214
                                                                                                                                                                                                             APPLICANT: Godiska, Ronald
APPLICANT: Gray, Patrick W.
APPLICANT: Schweikart, Vicki L.
TITLE OF INVENTION: No. 5759804e1 Seven Transmembrane Receptors
NUMBER OF SEQUENCES: 64
CORRESPONDENCE ADDRESS:
ADDRESSEE: Marshall, O'Toole, Gerstein, Murray &
ADDRESSEE: Bicknell
STREET: 6300 Sears Tower, 233 South Wacker Drive CITY: Chicago STATE: Illinois
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/153,848
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  358 AA
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CLASSIFICATION: 514
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE: 17-NOV-1992
ATTORNEY/AGENT INFORMATION:
NAME: NO. 5759804and, Greta E.
REGISTRATION NUMBER: 35,302
REFERENCE/DOCKET NUMBER: 31794
TELEPHONE: (312) 474-6300
TELEPAX: (312) 474-6300
TELEPAX: (312) 474-6448
INFORMATION FOR SEQ ID NO: 19:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     US 07/977,452
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FINCE 358 AA; 40690 MW; 701130 CN;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 19, Application US/08153848
Patent No. 5759804
GENERAL INFORMATION:
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LENGTH: 358 amino acids
TYPE: amino acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  STANDARD;
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                                                  40 FL-PIMYSIICFVGLLGNGLVVVLTYIYFKRLKTMTDTYLLNLAVADILFLLTLPFWAYS- 97
                                                                 Gaps
                            7;
                                                                                                                                                                                                                                                                        276 NRSCQSEKLIGYTKTVTEVLAFLHCCLNPVLYAFIGQKFRNYFLKILKDLWCV 328
                                                                                                                                                                                                                                                            275 SSTCELSKQLNIAYDVTYSLACVRCCVNPFLYAFIGVKFRNDLFKLFKDLGCL 327
                                                                                                                                                                                                                                                                                                                                                                                                                                                                 APPLICANT: Godiska, Ronald
APPLICANT: Gray, Patrick W.
APPLICANT: Schweikart, Vicki L.
TITLE OF INVENTION: NOVel Seven Transmembrane Receptors
NUMBER OF SEQUENCES: 64
Score 961; DB 1; Length 358
Pred. No. 1.15e-76;
77; Mismatches 75; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 CORRESPONDENCE ADDRESS:
ADDRESSEE: Marshall, O'Toole, Gerstein, Murray & ADDRESSEE: Bicknell
STREET: Biologous Tower, 233 South Wacker Drive CITY: Chicago STATE: Illinois
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          SOFTWARE: Patentin Release #1.0, Version #1.25 CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US93/11153
                                                                                                                                                                                                                                                                                                                                       378 AA
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PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE: 17-NOV-1992
ATTORNEY/AGENT INFORMATION:
NAME: NOLANG, Greta E.
REGISTRATION NUMBER: 35,302
REFERENCE/DOCKET NUMBER: 31794
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                         PRT;
                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 15, Application PC/TUS9311153 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 15, Application PC/TUS9311153
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MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC COMPATIBLE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TELEPHONE: (312) 474-6300
TELERAX: (312) 474-0448
TELEX: 25-3856
INFORMATION FOR SEQ ID NO: 15:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                         STANDARD;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                378 amino acids
 Query Match
Best Local Similarity 45.7%;
Matches 134; Conservative
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PCT-US93-11153-15
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                                                                                                                178 SCVGIWILATVLSIPELLYSD-LQRSSSEQ-AMRCSLITEHVE-AFITIQVAQMVIGFLV 234
                                                                                                                                                                            235 PLLAMSFCYLVIIRTLLQARNFERNKAIKVIIAVVVVFIVFQLPYNGVVLAQTVANFNIT 294
                                                                   60 FL-PIMYSIICFVGLLGNGLVVLTYIYFKRLKTMTDTYLLNLAVADILFLLTLPFWAYS- 117
                                                                                                                                                                                                                                                                                                                             Sequence 15, Application US/08153848
Patent No. 5759804
GENERAL INFORMATION:
APPLICANT: Godiska, Ronald
APPLICANT: Gray, Patrick W.
APPLICANT: Schweikart, Vicki L.
TITLE OF INVENTION:
NUMBER OF SEQUENCES: 64
CORRESPONDENCE ADDRESS:
                                                                             Gaps
                                                  7;
                                                                                                                                                                                                                       295 SSTCELSKOLNIAYDVTYSLACVRCCVNPFLYAFIGVKFRNDLFKLFKDLGCL 347
                                 Score 961; DB 2; Length 378;
Pred. No. 1.15e-76;
77; Mismatches 75; Indels
                                                                                                                                                                                                                                                                                                                                                                                                              ADDRESSEE: Marshall, O'Toole, Gerstein, Murray & ADDRESSEE: Bicknell STREET: 6300 Sears Tower, 233 South Wacker Drive CITY: Chicago STATE: Illinois
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/153,848
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                CLASSIFICATION: 514
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/977,452
FILING DATE: 17-NOV-1992
ATORNEY/AGENT INFORMATION:
NAME: No. 5759804and, Greta E.
REGISTRATION NUMBER: 35,302
REFERENCE/DOCKET NUMBER: 31794
TELECHONE: (312) 474-6408
TELECHONE: (312) 474-6408
        MOLECULE TYPE: protein
JENCE 378 AA; 42873 MW; 782819 CN;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                   Sequence 15, Application US/08153848
                                                                                                                                                                                                                                                                 STANDARD;
                                 Query Match 34.6%;
Best Local Similarity 45.7%;
Matches 134; Conservative
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TOPOLOGY: linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                             USA
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                 SEQUENCE
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                                                                                                                                                                                                                                                                                                                                                                             118 AAKSWVFGVHFCKLIFAIYKMSFFSGMLLLLCISIDRYVAIVQAVSAHRHRARVLLISKL 177
                                                                                                                                                                                                                                                                                                                                                                                                      178 SCVGIWILATVLSIPELLYSD-LORSSSEQ-AMRCSLITEHVE-AFITIQVAQMVIGFLV 234
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        235 PLLAMSFCYLVIIRTLLQARNFERNKAIKVIIAVVVVFIVFQLPYNGVVLAQTVANFNIT 294
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              GENERAL INFORMATION:

APPLICANT: Godiska, Ronald

APPLICANT: Gray, Patriok W.

APPLICANT: Schweikart, Vicki L.

TITLE OF INVENTION: No. 5759804el Seven Transmembrane Receptors NUMBER OF SEQUENCES: 64

CORRESPONDENCE ADDRESS:

ADDRESSEE: Marshall, O'Toole, Gerstein, Murray &
                                                                                                                                                                                                                                                                                                                7; Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              295 SSTCELSKQLNIAYDVTYSLACVRCCVNPFLYAFIGVKFRNDLFKLFKDLGCL 347
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ch 34.6%; Score 961; DB 1; Length 378; Il Similarity 45.7%; Pred. No. 1.15e-76; 134; Conservative 77; Mismatches 75; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  STREET: 6300 Sears Tower, 233 South Wacker Drive CITY: Chicago STATE: 1111hois COUNTRY: USA
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MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/153,848
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CLASSIFICATION: 514
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/977,452
FILING DATE: 17-NOV-1992
ATTORNEY/AGENT INFORMATION:
                                                                                                                            MOLECULE TYPE: protein
JENCE 378 AA; 42873 MW; 782819 CN;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    PRI;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Sequence 7, Application US/08153848
Patent No. 5759804
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence 7, Application US/08153848
TELEX: 25-3856
INFORMATION FOR SEQ ID NO: 15:
SEQUENCE CHARACTERISTICS:
                                                                    : 378 amino acids
amino acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  STANDARD;
                                                                                                                 linear
                                                                                                                                                                                                                       Best Local Similarity
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                                                                                                          TOPOLOGY:
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                                                                    LENGTH:
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PCT-US95-00476-8
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                                                                                                                                                                                      150 AAKSWVFGVHFCKLIFAIYKMSFFSGMLLLLCISIDRYVAIVQAVSAHRHRARVLLISKL 209
                                                                                                                                                                                               7; Gaps
                                                                                                                                                                                                                                                                                       Sequence 7, Application PC/TUS9311153
GENERAL INFORMATION:
APPLICANT: Godiska. Ronald
APPLICANT: Gray, Patrick W.
APPLICANT: Schweikart, Vicki L.
TILLE OF INVENTION: Novel Seven Transmembrane Receptors
NUMBER OF SEQUENCES: 64
CORRESPONDENCE ADDRESS:
ADDRESSEE: Marshall, O'Toole, Gerstein, Murray &
ADDRESSEE: Bicknell
ADDRESSEE: Bicknell
STREET: 6300 Sears Tower, 233 South Wacker Drive
                                                                                                                      Length 410;
                                                                                                                    Score 961; DB 1; Length 410
Pred. No. 1.15e-76;
77; Mismatches 75; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ZIP: 60606
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US93/11153
FILING DATE:
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                                                                                                                                                                                                                                                                                                                                            410
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                                                                                         MOLECULE TYPE: protein
JENCE 410 AA; 46569 MW; 921741 CN;
           31794
                                                                                                                                                                                                                                                                                                                                                                                            Sequence 7, Application PC/TUS9311153
REGISTRATION NUMBER: 35,302
REFERENCE/DOCKET NUMBER: 31794
TELECOMMUNICATION INFORMATION:
TELEPHONE: (312) 474-6300
TELERAX: (312) 474-648
TELERAX: 25-3856
INFORMATION FOR SEO ID NO: 7:
SEQUENCE CHARACTERISTICS:
LENGTH: 410 anino acids
TVPE: amino acid
TOPOLOGY: linear
                                                                                                                                                                                                                                                                                                                                           STANDARD;
                                                                                                                    Query Match
Best Local Similarity 45.7%;
Matches 134; Conservative
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PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    CITY: Chicago
STATE: Illinois
COUNTRY: USA
                                                                                                                                                                                                                                                                                                                                         PCT-US93-11153-7
                                                                                                    SEQUENCE
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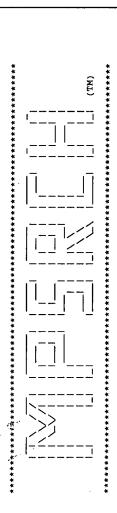
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92 FL-PIMYSIICFVGLLGNGLVVLTYIYFKRLKTMTDTYLLNLAVADILFLLTLPFWAYS- 149
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               150 AAKSWVFGVHFCKLIFAIYKMSFFSGMLLLLCISIDRYVAIVQAVSAHRHRARVLLISKL 209
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                210 SCVGIWILATVLSIPELLYSD-LQRSSSEQ-AMRCSLITEHVE-AFITIQVAQMVIGFLV 266
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  267 PLLAMSFCYLVIIRTLLQARNFERNKAIKVIIAVVVVFIVFQLPYNGVVLAQTVANFNIT 326
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 8, Application PC/TUS9500476
GENERAL INFORMATION:
APPLICANT: The Regents of the University of California
TITLE OF INVENTION: MAMMALIAN MONOCYTE CHEMOATTRACTANT
TITLE OF INVENTION: PROTEIN RECEPTORS
NUMBER OF SEQUENCES: 14
CORRESPONDENCE ADDRESS:
ADDRESSEE: ROBDINS, Berliner & Carson
CITY: Los Angeles
STRET: 201 N. Figueroa Street, 5th Floor
CITY: Los Angeles
STATE: California
COUNTRY: USA
ZIP: 90112-2628
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
COMPUTER: IBM PC compatible
COMPUTER: IBM PC compatible
COMPUTER: BLODS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   327 SSTCELSKQLNIAYDVTYSLACVRCCVNPFLYAFIGVKFRNDLFKLFKDLGCL 379
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match 34.6%; Score 961; DB 2; Length 410; Best Local Similarity 45.7%; Pred. No. 1.15e-76; Matches 134; Conservative 77; Mismatches 75; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            355 AA
APPLICATION NUMBER: US 07/977,452
FILING DATE: 17-NOV-1992
ATORNEY/AGENT INFORMATION:
NAME: Noland, Greta E.
REGISTRATION NUMBER: 35,302
REGISTRATION NUMBER: 31/94
TELECOMMUNICATION INFORMATION:
TELEPRAX: (312) 474-6408
TELEFAX: (312) 474-6408
TELEFX: 25-3856
INFORMATION FOR SEQ ID NO: 7:
SEQUENCE CHARACTERISTICS:
LENGTH: 410 amino acids
TYPE: amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        APPLICATION NUMBER: PCT/US95/00476 FILING DATE:
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                                                                                                                                                                                                                                                                                                                                                                                                                                      MOLECULE TYPE: protein
JENCE 410 AA; 46569 MW; 921741 CN;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 8, Application PC/TUS9500476
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Search completed: Fri Nov 13 12:08:42 1998 Job time : 25 secs.
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                                                                                                                                                                                                                                             44 YEVVIIYALVFLLSLLGNSLVMLVILYSRVGRSVTDVYLLNLALADLLFALTLPIWAASK 103
                                                                                                                                                                                                                                                        APPLICANT: Murphy, Philip M.

TITLE OF INVENTION: Cloning of cDNA Encoding a Functional

TITLE OF INVENTION: Human Interleukin-8 Receptor
                                                                                                                                                                                                 Score 951; DB 2; Length 355;
Pred. No. 9.77e-76;
80; Mismatches 72; Indels 10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          STALL.
COUNTRY: USA
ZIP: 20036-5601
COMPUTER READABLE FORM:
MEDIUM TYPE: FLOPPY disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
OPERATING SYSTEM: PC-DOS/MS-DOS
OPERATING DATA:
OPERATING SYSTEM: PATENTON DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                       276 NR-SCQSEKLIGYTKTVTEVLAFLHCCLNPVLYAFIGQKFRNYFLKIL 322
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STREET: 1615 L Street, N.W.
CITY: Washington
STATE: D
                     NAME: Berliner, Robert
REGISTRATION NUMBER: 20,121
REFERENCE/DOCKET NUMBER: 5555-291
                                                                                                                                                      MOLECULE TYPE: protein
HYPOTHETICAL: NO
JENCE 355 AA; 40122 MW; 676446 CN;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            PRT;
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Patent No. 5374506
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Sequence 1, Application US/07759568
                                                    TELECOMMUNICATION INFORMATION:
TELEPHONE: 310-977-1001
TELEFAX: 310-977-1003
           ATTORNEY/AGENT INFORMATION:
                                                                                                                       LENGTH: 355 amino acids TYPE: amino acid
                                                                                                 INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            STANDARD;
                                                                                                           SEQUENCE CHARACTERISTICS
                                                                                                                                                                                                 74.2%;
Local Similarity 43.8%;
Local Similarity 43.8%;
Les 126; Conservative
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ADDRESSEE: Cushman,
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                                                                                                                                              linear
 CLASSIFICATION:
                                                                                                                                              TOPOLOGY:
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                                                                                        TELEX:
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216 IPIMEMIFCYTFIVKTLVQAQNSKRHKAIRVIIAVVLVFLACQIPHNMVLLVTAANLGKM 275
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Gaps
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Pred. No. 9.77e-76;
80; Mismatches 72; Indels 10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           276 NR-SCQSEKLIGYTKTVTEVLAFLHCCLNPVLYAFIGQKFRNYFLKIL 322
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                                                                                                       WTS/5683/91535/WBH
                                                                                                                                                                                                                                                                                                                                  MOLECULE TYPE: peptide
JENCE 355 AA; 40122 MW; 676446 CN;
                                                                                                                    TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-861-3000
TELEFAX: 202-822-0944
TELEX: 6714627 cush
INFORMATION FOR SEQ ID NO: 1:
                                                                              26581
                                   ATTORNEY/AGENT INFORMATION:
NAME: Scott, Watson T.
REGISTRATION NUMBER: 2658
REFERENCE/DOCKET NUMBER:
                                                                                                                                                                                                                             SEQUENCE CHARACTERISTICS:
LENGTH: 355 amino acids
TYPE: AMINO ACID
19910913
                                                                                                                                                                                                                                                                                                                                                                                                    Query Match 34.2%;
Best Local Similarity 43.8%;
Matches 126; Conservative
                                                                                                                                                                                                                                                                                                                   linear
             CLASSIFICATION:
                                                                                                                                                                                                                                                                                               STRANDEDNESS:
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protein - protein database search, using Smith-Waterman algorithm MPsrch_pp

Fri Nov 13 12:09:01 1998; MasPar time 20.16 Seconds 666.150 Million cell updates/sec Run on:

Tabular output not generated.

>US-08-887-977-10 (1-365) from US08887977.pep 2779

Description: Perfect Score:

1 MFSTPVKIILCQSILHITQL......NISRQTSETADNDNASSFTM 365 Sequence:

PAM 150 Gap 11 Scoring table:

313962 segs, 36788388 residues Searched:

Minimum Match 0% Listing first 45 summaries Post-processing:

a-pending 1:99 2:U60 3:U7 4:U80 5:U81 6:U82 7:U83 8:U84 9:U85 10:U86 11:U87 12:U88 13:U89 14:U90 15:U91 16:NEWP 17:NEWUG 18:NEWU7 19:NEWUG 20:NEWU9 Database:

Mean 35.183; Variance 169.443; scale 0.208 Statistics:

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

	Pred. No.	1.60e-231	1.60e-231	9.38e-202	1.72e-72	1.75e-70	1.75e-70															
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	Description	Sequence	Sequence	Sequence	Sequence	Sequence	Sequence	Sequence	Sequence	Sequence	Sequence	Sequence	Sequence	Sequence	Sequence	Sequence	Sequence	Sequence	Sequence	Sequence	Sequence	Sequence
	QI	US-08-675-	US-08-887-	US-09-045-	US-08-802-	US-09-104-	US-08-450-	US-08-801-	US-08-284-	PCT-0S93-1	us-08-805-	US-08-410-	US-08-308-	US-08-441-	US-08-801-	US-08-805-	US-08-446-	US-09-104-	US-08-182-	us-08-605-	US-08-245-	US-08-245-
	DB	10	12	14	12	15	ω	12	φ	7	12	æ	1	ထ	12	12	œ	15	'n	50	9	9
	Query Match Length	365	365	374	350	350	350	350	350	350	350	350	350	350	350	350	350	350	350	1060	358	378
ф	Query	100.0	100.0	88.0	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	34.6	34.6
	Score	2779	2779	2445	984	984	984	984	984	984	984	984	984	984	984	984	984	984	984	984	961	961
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34.6 410 6 US-08-245- Sequence 7, Applicatio 1.75e-70 US-951 34.5 378 6 US-08-245- Sequence 7, Applicatio 1.75e-70 US-951 34.2 353 1 PCT-US96-0 Sequence 9, Applicatio 1.31e-69 US-13 1 PCT-US93-1 Sequence 4, Applicatio 1.31e-69 US-13 1 PCT-US93-1 Sequence 7, Applicatio 1.31e-69 US-13 1 PCT-US-13 1 PCT-US-US-13 1 PCT-US-US-US-US-US-US-US-US-US-US-US-US-US-	ALIGNMENTS -675-814-8 STANDARD; PRT; 365 AA. K noe 8, Application US/08675814	E 8, Application US/086758 L INFORMATION: ICANT: Gish, Kurt C. ICANT: Gish, Kurt C. ICANT: Schall, Thomas J. ICANT: Schall, Thomas J. ICANT: Schall, Albert E 0F INVENTION: MAMMALIAN ER OF SEQUENCES: 14 ESPONDENCE ADDRESS: 10 RESTE: 901 California Aven REET: 901 California REE
222 224 224 225 226 227 228 332 332 332 333 333 333 333 334 335 337 337 337 337 337 337 337 337 337	1 5-08-675 cxxxx	
	. RESG XX XX XX XX XX DE	** \$88888888888888888888888888888888888

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                                                                                                      1 MFSTPVKIILCQSILHITQLILRCYCAPCRRSGSSPGYLYRIAYSLICVLGLLGNILVVI 60
                                            Gaps
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                           Length 365;
                                            0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                          APPLICANT: Wang, Wei
APPLICANT: Gish, Kurt C.
APPLICANT: Gish, Kurt C.
APPLICANT: Gish, Kurt C.
APPLICANT: Schall, Thomas J.
APPLICANT: Vicari, Alain P.
APPLICANT: Zlotnik, Albert
TITLE OF INVENTION: MAMMALIAN CHEMOKINE REAGENTS
NUMBER OF SEQUENCES: 19
CORRESPONDENCE ADDRESS:
ADDRESSEE: DNAX Research Institute
SIREET: 901 California Avenue
CITY: Palo Alto
STATE: California
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    SOFTWARE: Patentin Release #1.0, Version #1.30 CURRENT APPLICATION DATA: APPLICATION NUMBER: US/08/887,977 FILING DATE: 03.JUL-1997 CLASSIFICATION:
                          Score 2779; DB 10;
Pred. No. 1.60e-231;
                                                                                                                                                                                                                                                                                                                          365 AA.
                                            0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       JMBER: US 60/021,644
05-JUL-1996
                                                                                                                                                                                                                                                                                                                         PRT;
MOLECULE TYPE: protein
JENCE 365 AA; 41375 MW; 721306 CN;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 COMPUTER READABLE FORM:
MEDIUM TYPE: FLORPY disk
COMPUTER: IBM PC COMPATIBLE
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                            Sequence 10, Application US/08887977 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                            Sequence 10, Application US/08887977
                                                                                                                                                                                                                                                                                                                         STANDARD;
                         Match 100.0%;
Local Similarity 100.0%;
les 365; Conservative
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APPLICATION NUMBER: [
FILING DATE: 05-JUL-]
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94304-1104
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         SEQUENCE
                          Query Match
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                                           Matches
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HKAIRVIIAVVLVFLACQIPHNMVLLVTAANLGKMNRSCQSEKLIGYTKTVTEVLAFLHC 300
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        1 MFSTPVKIILCQSILHITQLILRCYCAPCRRSGSSPGYLYRIAYSLICVLGLLGNILVVI 60
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    1 MFSTPVKIILCQSILHITQLILRCYCAPCRRSGSSPGYLYRIAYSLICVLGLLGNILVVI 60
                                                                                                                                                                                                                                                                                                                                                                                                                                                            Gaps
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GENERAL INFORMATION:
APPLICANT: Graham, Gerard J. et al.
TILLE OF INVENTION: Novel Molecules of the G Protein-Coupled NUMBER OF SEQUENCE: 56
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                          ö
                                                                                                                                                                                                                                                                                                                                                                                                           Query Match 100.0%; Score 2779; DB 12; Length 365; Best Local Similarity 100.0%; Pred. No. 1.60e-231; Matches 365; Conservative 0; Mismatches 0; Indels 0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   374 AA.
PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 60/028,329
FILING DATE: 11-CT-1996
ATTORNEY/AGENT INFORMATION:
NAME: CAING, EGALD P.
RECISTRATION NUMBER: 34,090
REFERENCE/DOCKET NUMBER: DX0589K1
TELECOMMUNICATION INFORMATION:
TELEPHONE: 650-496-1200
INFORMATION FOR SEQ ID NO: 10:
SEQUENCE CHARACTERISTICS:
LENGTH: 365 amino acids
TERGTH: 365 amino acids
TYPE: amino acids
TYPE: Annino acids
TYPE: THESE
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   PRT;
                                                                                                                                                                                                                                                                                                                         TOPOLOGY: linear
MOLECULE TYPE: protein
SEQUENCE 365 AA; 41375 MW; 721306 CN;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Sequence 48, Application US/09045583
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CITY: Boston
STATE: Massachusetts
COUNTRY: USA
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Sequence 48, Applic
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Sequence 48, Applic
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CC
Sequence 48, Applic
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COUNTRY: Mass
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                                                                                                                                                                                                                                                                        47 LFVPIAYSLICVFGLLGNILVVITFAFYKKARSMTDVYLLNMAIADILFVLTLPFWAVSH 106
                                                                                                                                                                                                                                                                                                          107 ATGAWVFSNATCKLLKGIYAINFNCGMLLLTCISMDRYIAIVQATKSFRLRSRTLPRSKI 166
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                                                                                                                                                                                                                                                                                 Gaps
                                                                                                                                                                                                                                                         ;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence 2, Application US/08802627A
GENERAL INFORMATION:
APPLICANT: Lee, James
APPLICANT: Wood, William I.
TITLE OF INVENTION: NUCLEIC ACID ENCODING PF4A RECEPTOR
NUMBER OF SEQUENCES: 6
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                      Length 374;
                                                                                                                                                                                                                                                       Indels
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      350 AA
                                                                                                                                                                                                                                      88.0%; Score 2445; DB 14;
98.8%; Pred. No. 9.38e-202;
vative 2; Mismatches 1;
                                                                  PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Mandragouras, Amy E.
REGISTRATION NUMBER: 36,207
REFERENCE/DOCKET NUMBER: MNI-044
TELEPHONE: (617)72-7400
TELEPHONE: (617)72-7400
TELEPHONE: (617)742-4214
INFORMATION FOR SEQ ID NO: 48:
SEQUENCE CHARACIERISTICS:
                                           APPLICATION NUMBER: US/09/045,583 FILING DATE: 20-MAR-98 CLASSIFICATION: 435
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      PRT;
                                                                                                                                                                                                             NT TYPE: Internal
374 AA; 42494 MW; 759989 CN;
                                                                                                                                                                                                                                                                                                                                                                                                                                                  SCAGRYSENISRQTSETADNDNASSETM 374
                                                                                                                                                                                                                                                                                                                                                                                                                                                                   338 SCAGRYSENISRQTSETADNDNASSFTM 365
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                                                                                                                                                                           LENGIH: 374 amino acids TYPE: amino acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      STANDARD;
                                                                                                                                                                                                    MOLECULE TYPE: peptide
FRAGMENT TYPE: internal
                                                                                                                                                                                                                                              Best Local Similarity 98.8%;
Matches 324; Conservative
                                                                                                                                                                                             linear
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                                                                                                                                                                                             TOPOLOGY:
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                                                                                                                                                                                                                                       Query Match
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145 TLTQK-RHL--VKFVCLGCWGLSMNLSLPFFLFRQAYHPNNSSPVC---YEVLGNDTAKW 198
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            259 NLVLLADTLMRTQVIQETCERRNNIGRALDATEILGFLHSCLNPIIYAFIGONFRHGFLK 318
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        27 Y-SPCMLETETLNKYYVIIAYALVFLLSLLGNSLVMLVILYSRVGRSVTDVYLLNLALAD 85
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Gaps
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Pred. No. 1.72e-72;
76; Mismatches 80; Indels 12;
                                                                                                                                               MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk COMPUTER: IBM PC compatible OPERATING SYSTEM: PC-DOS/MS-DOS
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                                                                                                                                                                                                        SOFTWARE: WinPatin (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/802,627A
FILING DATE: 19-Feb-1997
CLASSIFICATION: 514
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             350 AA; 39805 MW; 660082 CN;
                                                                                                                                                                                                                                                                                                              PRIOR APPLICATION DATA:
APPLICATION DATA:
APPLICATION NUMBER: 08/264586
FILING DATE: 10-AUG-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/076093
FILING DATE: 11-JUN-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/810782
FILING DATE: 19-DEC-1991
ATTORNEY/AGENT INFORMATION:
NAME: LOVE, RICHARD B.
REGISTRATION NUMBER: 34,659
REFERENCE/DOCKET NUMBER: 90706F2
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         PRT;
STATE: 460 Point San Bru CITY: South San Francisco STATE: California
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TELEFAX: 415/952-9881
TELEX: 910/371-7168
INFORMATION FOR SEQ ID NO: 2:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         SEQUENCE CHARACTERISTICS:
LENGTH: 350 amino acids
TYPE: Amino Acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         STANDARD;
                                                                                                                  COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 inc
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Matches 134; Conservative
                                                                                 USA
                                                                                                   94080
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ID US-09-104-296-2
                                                                               COUNTRY:
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86 LLFALTLPIWAASKVNG-WIFGTFLCKVVSLLKEVNFYSGILLLACISVDRYLAIVHATR 144
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Pred. No. 1.72e-72;
76; Mismatches 80; Indels 12; Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                           APPLICANT: Charo, Israel
APPLICANT: Coughlin, Shaun
TITLE OF INVENTION: MAMMALIAN MONOCYTE CHEMOATTRACTANT
TITLE OF INVENTION: PROTEIN RECEPTORS
NUMBER OF SEQUENCES: 14
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ADDRESSEE: Cooley Godward Castro Huddleson & Tatum STREET: 5 Palo Alto Square CITY: Palo Alto STATE: STATE: California
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          SOFTWARE: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/45
FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     APPLICATION NUMBER: US/08/450,393
FILING DATE: May 25, 1995
CLASSIFICATION: 424
ATTORNEY/AGENT INFORMATION:
NAME: CSert, Luan
REGISTRATION NUMBER: 31,822
REFERENCE/DOCKET NUMBER: UCAL-237/02US
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415-843-5165
TELEFAX: 4415-8857-0663
                                                                                                                                                                                                                            350 AA.
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                                                                                                                                                                                                                                                                                                                                                                              Sequence 7, Application US/08450393
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COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-
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INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
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nes 134; Conservative
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DX SEQUENCE 7, APP11, XX SEQUENCE 7, APP11, CC GENERAL INFORMA-APP11CANT: CC TITLE OF INVEICC TITLE OF INVEICC CONTESPONDENCY STREET: 5 CITY: PAP STREET: CAP STREET:
                                                                        319 IL 320
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Pred. No. 1.72e-72;
76; Mismatches 80; Indels 12; Gaps
                                                                                                                                                                                                                                                                                                                                                                                     COMPUTER FACA
COMPUTER FACA
MEDIUM TYPE: 3.5 inch, 1.44 MD floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC_DOS/MS-DOS
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    APPLICATION NUMBER: US/09/104,296
FILING DATE: 24-June-1998
                                                                Sequence 2, Application US/09104296
GENERAL INFORMATION:
APPLICANT: Lee, James
APPLICANT: Wood, William I.
TITLE OF INVENTION: PF4A Receptors
NUMBER OF SEQUENCES: 6
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/701265
FILING DATE: 22-AGG-1996
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/6428
FILING DATE: 06-JUN-1996
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/076093
FILING DATE: 11-JUN-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/810782
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350 AA; 39805 MW; 660082 CN;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        FILING DATE: 19-DEC-1991
ATTORNEY/AGENT INFORMATION:
NAME: LOVE, RICHARD 84,659
REGISTRATION NUMBER: 34,659
TELECOMMUNICATION INFORMATION:
TELEPPHONE: 415/255-530
TELEPHONE: 415/255-5830
                  Sequence 2, Application US/09104296
                                                                                                                                                                                                                                              ADDRESSEE: Genentech, Inc.
STREET: 1 DNA Way
CITY: South San Francisco
STATE: California
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           : 350 amino acids
Amino Acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     CURRENT APPLICATION DATA:
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INFORMATION FOR SEQ ID NO: SEQUENCE CHARACTERISTICS:
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Best Local Similarity 44.4%;
Matches 134; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                      COMPUTER: IBM PC (OPERATING SYSTEM: SOFTWARE: WinPati)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        CLASSIFICATION:
                                                                                                                                                                                                                                                                                                                                                      USA
                                                                                                                                                                                                                                                                                                                                                 COUNTRY:
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COUNTRY: US
ZIP: 94080
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199 RMYLRILPHTFGFIVPLFVMLFCYGFTLRTLFKAHMGQKHRAMRVIFAVVLIFLLCWLPY 258
                           202 KILMIGLELLFGFFIPLMFMIFCYTFIVKTLVQAQNSKRHKAIRVIIAVVLVFLACQIPH 261
                                                                                                259 NLVLLADTLMRTQVIQETCERRNNIGRALDATEILGFLHSCLNPIIYAFIGQNFRHGFLK 318
                                                                                                                            Sequence 2, Application US/08801228
GENERAL INFORMATION:
APPLICANT: Lee, James
APPLICANT: Wood, William I.
TITLE OF INVENTION: METHODS FOR DETECTION AND AMPLIFICATION OF NUMBER OF SEQUENCES:
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Score 984; DB 12; Length 350;
Pred. No. 1.72e-72;
76; Mismatches 80; Indels 12;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ZIP: 94000
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
COMPUTER: IBM PC compatible
COMPUTER: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                              350 AA
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ADDRESSEE: Genentech, Inc.
STREET: 460 Point San Bruno Blvd
CITY: South San Francisco
STATE: California
COUNTRY: USA
                                                                                                                                                                                                                                                                                                                                                 PRT;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            PAPPLICATION NUMBER: 08/076093
FILING DATE: 11-JUN 1993
PRICATION DATA: 07/810782
FILING DATE: 19-DEC-1991
ATTONREY/AGENT INFORMATION: NAME: LOVE, Richard B.
REGISTRATION NUMBER: 34,659
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     350 AA; 39805 MW; 660082 CN;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         SOFTWARE: WinPatin (Genentech)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/284586
FILING DATE: 10-AUG-1994
PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 2, Application US/08801228
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             FELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TELEX: 910/371-7168
INFORMATION FOR SEQ ID NO: 2: SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 REFERENCE/DOCKET NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TELEPHONE: 415/225-5530
                                                                                                                                                                                                                                                                                                                                              STANDARD;
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nes 134; Conservative
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CLASSIFICATION:
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Sequence 2, Appli
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Sequence 2, Appli
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Sequence 2, Appli
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CC GENERAL INFORMA
CC TITLE OF INVI
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321 IL 322
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145 TLTQK-RHL--VKFVCLGCWGLSMNLSLPFFLFRQAYHPNNSSPVC---YEVLGNDTAKW 198
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           86 LLFALTLPIWAASKVNG-WIFGTFLCKVVSLLKEVNFYSGILLLACISVDRYLAIVHATR 144
                                 27 Y-SPCMLETETLNKYVVIIAYALVFLLSLLGNSLVMLVILYSRVGRSVTDVYLLNLALAD 85
                                                                                                                                                                                                                                                                                               Sequence 2, Application US/08284586
GENERAL INFORMATION:
APPLICANT: Chuntharapai, Anan
APPLICANT: Hebert, Caroline
APPLICANT: Hebert, Caroline
APPLICANT: Jin Kin, K.
TITLE OF INFURION: Antibodies to Human PF4A Receptors
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
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PRIOR APPLICATION DATA:
APPLICATION NUMBER: 05/08/076,093A
FILING DATE: 11-7un-1993
APPLICATION NUMBER: 07/810782
FILING DATE: 19-DEC-1991
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/67211
FILING DATE: 29-MAR-1991
ATTORNEYAGENT INFORMATION:
NAME: LOVE, RICHARD B
REGISTRATION NUMBER: 34,659
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        SUFTWARE: WinPairin (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/284,586
FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ADDRESSEE: Genentech, Inc.
STREET: 460 Point San Bruno Blvd
CITY: South San Francisco
STATE: California
COUNTRY: USA
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TELEPHONE: 415/225-5530
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AX XXXXX

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CC GENERAL INFORMA,
APPLICANT: CI
CC APPLICANT: CI
CC APPLICANT: IL
CC COUNTRY: CALIC
COUNTRY: CALIC
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319 IL 320
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| 321 IL 322
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                                                                                                                                                                                                                                                                                                                                                                                                                                                              199 RMVLRILPHTFGFIVPLFVMLFCYGFTLRTLFKAHMGQKHRAMRVIFAVVLIFLLCWLPY 258
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        259 NLVLLADTLMRTQVIQETCERRNNIGRALDATEILGFLHSCLNPIIYAFIGONFRHGFLK 318
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  86 LLFALTLPIWAASKVNG-WIFGTFLCKVVSLLKEVNFYSGILLLACISVDRYLAIVHATR 144
                                                                                                                                                                                                                                                                                             27 Y-SPCMLETETLNKYVVIIAYALVFLLSLLGNSLVMLVILYSRVGRSVTDVYLLNLALAD 85
                                                                                                                                                                                                                               76; Mismatches 80; Indels 12; Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match 35.4%; Score 984; DB 6; Length 350; Best Local Similarity 44.4%; Pred. No. 1.72e-72; Matches 134; Conservative 76; Mismatches 80; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 3, Application PC/TUS9310672
GENERAL INFORMATION:
APPLICANT: GENENTECH, INC.
TITLE OF INVENTION: CC-CHEMOKINE RECEPTOR
NUMBER OF SEQUENCES: 11
CORRESPONDENCES: 1
ADDRESSE: Genentech, Inc.
STREET: 460 Point San Bruno Blvd
CITY: South San Francisco
STATE: California
COUNTRY: USA
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MEDIUM TYPE: 5.25 Inch, 360 Kb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
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CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US93/10672
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                                                                                                                            JOGY: Linear
350 AA; 39805 MW; 660082 CN;
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TELEFAX: 415/952-9881
TELEX: 910/371-7168
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 350 anino acids
TYPE: Amino Acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Fitts, Renee A.
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CC GENERAL INFORMAT
CC GENERAL INFORMAT
CC APPLICANT: GET
CC CONTESPONDENCE
CC CORRESPONDENCE
CC CONTER: 94080
CC CONTER: 05.04
CC CONTER: 05.04
CC CONTER: 105.04
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 259 NLVLLADTLMRTQVIQETCERRNNIGRALDATEILGFLHSCLNPIIYAFIGQNFRHGFLK 318
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          86 LLFALTLPIWAASKVNG-WIFGTFLCKVVSLLKEVNFYSGILLLACISVDRYLAIVHATR 144
                                                                                                                                                                                                                                                                                                                                                                                27 Y-SPCMLETETLNKYVVIIAYALVFLLSLLGNSLVMLVILYSRVGRSVTDVYLLNLALAD 85
                                                                                                                                                                                                                                                                                                                                                                                                          Gaps
                                                                                                                                                                                                                                                                                     Query Match 35.4%; Score 984; DB 1; Length 350; Best Local Similarity 44.4%; Pred. No. 1.72e-72; Matches 134; Conservative 76; Mismatches 80; Indels 12;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Sequence 2, Application US/08805478
GENERAL INFORMATION:
APPLICANT: Chuntharapai, Anan
APPLICANT: Lee, James
APPLICANT: Hebert, Caroline
APPLICANT: Jin Kim, K.
TILLE OF INVENTION: ANTIBODIES TO PF4A RECEPTOR
NUMBER OF SEQUENCES: 6
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk COMPUTER: IBM PC compatible OPERATING SYSTEM: PC-DOS/MS-DOS SOFTWARE: WinPatin (Genentech)
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STREET: 460 Point san Bruno Blvd
CITY: South San Francisco
STATE: California
COUNTRY: USA
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350 AA; 39805 MW; 660082 CN;
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                                                                 TELEFA: 415/902 ...
TELEFA: 910/371-7168
INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
LENGTH: 350 amino acids
TYPE: amino acids
REGISTRATION NUMBER: 35,136
                REFERENCE/DOCKET NUMBER: 80
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415/225-1489
TELEFAX: 415/952-9881
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            STANDARD;
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199 RMYLRILPHTFGFIVPLFYMLFCYGFTLRTLFKAHMGQKHRAMRVIFAVYLIFLLCWLPY 258
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  145 TLTQK-RHL--VKFVCLGCWGLSMNLSLPFFLFRQAYHPNNSSPVC---YEVLGNDTAKW 198
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              27 Y-SPCMLETETLNKYVVIIAYALVFLLSLLGNSLVMLVILYSRVGRSVTDVYLLNLALAD 85
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match 35.4%; Score 984; DB 8; Length 350;
Best Local Similarity 44.4%; Pred. No. 1.72e-72;
Matches 134; Conservative 76; Mismatches 80; Indels 12;
                                                                               COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
COMPUTER: IBM PC compatible
OPPERATING SYSTEM: PC-DOSAMS-DOS
                                                                                                                                                                            CURRENT AFFLLCHION DATA;
APPLICATION NUMBER: US/08/410,456A
FILING DATE: 24-Mar-1995
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/234494
FILING DATE: 28-APR-1994
PRIOR APPLICATION NUMBER: 07/677211
APPLICATION NUMBER: 07/677211
ATTORNEY-AGENT INFORMATION:
NAME: LOVE, RICHART B.
REGISTRATION NUMBER: 34,659
REFERENCE/DOCKET NUMBER: 90706C1D2
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
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                                                                                                                                                    SOFTWARE: WinPatin (Genentech)
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 F: 1 DNA Way
South San Francisco
California
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          LENGTH: 350 amino acids TYPE: Amino Acid
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INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
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                                  STATE: C
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             202 KLLMLGLELLFGFFIPLMFMIFCYTFIVKTLVQAQNSKRHKAIRVIIAVVLVFLACQIPH 261
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           145 TLTQK-RHL--VKFVCLGCWGLSMNLSLPFFLFRQAYHPNNSSPVC---YEVLGNDTAKW 198
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            259 NLVLLADTLMRTQVIQETCERRNNIGRALDATEILGFLHSCLNPIIYAFIGQNFRHGFLK 318
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        27 Y-SPCMLETETLNKYVVIIAYALVFLLSLLGNSLVMLVILYSRVGRSVTDVYLLNLALAD 85
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Score 984; DB 12; Length 350;
Pred. No. 1.72e-72;
76; Mismatches 80; Indels 12; Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 1, Application US/08410456A
GENERAL INFORMATION:
APPLICANT: Lee, James,
APPLICANT: Holmes, William E.,
APPLICANT: Woods, William I.
TITLE OF INVENTION: Human PF4A Receptors and Their Use
NUMBER OF SEQUENCES: 2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  350 AA.
                                                                                                                                                                                                                            REFERENCE/DOCKET NUMBER: 90706P2PICI TELECOMMUNICATION INFORMATION: TELEPHONE: 415/225-5530 TELEPHONE: 415/952-9881 TELER: 910/371-7168 INFORMATION FOR SEQ ID NO: 2: SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                      TOPOLOGY: Linear
ICE 350 AA; 39805 MW; 660082 CN;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  PRT;
            CLASSIFICATION: 530
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/284586
FILING DATE: 10-AUG-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/076093
FILING DATE: 11-JUN-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/810782
FILING DATE: 19-DEC-1991
ATTORNEY/AGENT INFORMATION:
NAME: LOVE, RICHARD B.
REGISTRATION NUMBER: 34,659
PRESEISTRATION NUMBER: 34,659
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 1, Application US/08410456A
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ADDRESSEE: Genentech, Inc.
25-Feb-1997
                                                                                                                                                                                                                                                                                                                                                       : 350 amino acids
Amino Acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  STANDARD;
                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match
Best Local Similarity 44.4%;
Matches 134; Conservative
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321 IL 322
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Gaps

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Sequence 3, Application US/08441562
GENERAL INFORMATION:
APPLICANT: RICHARD HORK, KULDEEP NEOTE, THOMAS SCHALL
TITLE OF INVENTION: NUCLeic Acids Encoding C-C Chemokine Receptor
TITLE OF INVENTION: and Vectors and Hosts Therefor
NUMBER OF SEQUENCES: 11
CORRESPONDENCE ADDRESS:
ADDRESSEE: Genentech, Inc.
STREET: 460 Point San Bruno Blvd
CITY: South San Francisco
STATE: California
                                                                                                                                                         ZIP: 94080
COMPUTER READABLE FORM:
MEDIUTER: 3.5 Inch, 1.44 Mb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                Sequence 3, Application US/08441562
                                                                                                                                                                                                                                              FILING DATE:
                                                                                                                                                                                                                SOFTWARE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                 SEQUENCE
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                145 TLTQK-RHL--VKFVCLGCWGLSMNLSLPFFLFRQAYHPNNSSPVC---YEVLGNDTAKW 198
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       199 RMVLRILPHTFGFIVPLFVMLFCYGFTLRTLFKAHMGQKHRAMRVIFAVVLIFLLCWLPY 258
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           259 NLVLLADTLARTQVIQETCERRNNIGRALDATEILGFLHSCLNPIIYAFIGONFRHGFLK 318
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       27 Y-SPCMLETETLNKYVVIIAYALVFILSLLGNSLVMLVILYSRVGRSVTDVYLLNLALAD 85
                                                                                                                                                                                                                                                                                                                                                                                                                          Gaps
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Pred. No. 1.72e-72;
76; Mismatches 80; Indels 12;
GENERAL INFORMATION:
APPLICANT: RICHARD HORUK, KULDEEP NEOTE, THOMAS SCHALL
TITLE OF INVENTION: CC-CHEMOKINE RECEPTOR
NUMBER OF SEQUENCES: 11
CORRESPONDENCE ADDRESS:
                                                                                                   ZIP: 94080
COMPUTER READABLE FORM:
MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk
COMPUTER: IEM PC compatible
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 350 AA.
                                                                                                                                                         SOFTWARE: patin (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/308,880
                                                  ADDRESSEE: Genentech, Inc.
STREET: 460 Point San Bruno Blvd
CITY: South San Francisco
STATE: Callfornia
                                                                                                                                                                                                                                                                                                                                                                      JOGY: linear
350 AA; 39805 MW; 660082 CN;
                                                                                                                                                                                                          PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/974025
FILING DATE: 10-NOV-1992
ATTORNEY/AGENT INFORMATION:
NAME: Fitts, Renee A.
REGISTRATION NUMBER: 35,136
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  PRT;
                                                                                                                                                  PC-DOS/MS-DOS
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TELECOMMUNICATION INFORMATION:
TELEPHONE: 415/225-1489
TELEFAX: 415/952-9881
TELEFAX: 910/371-7168
INFORMATION FOR SEQ ID NO: 3:
                                                                                                                                                                                                                                                                                                                                                 : 350 amino acids amino acid
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                                                                                                                                                                                                                                                                                                                                                                                                    35.48;
                                                                                                                                                                                                                                                                                                                                                                                                             Best_Local Similarity 44.4%;
Matches 134; Conservative
                                                                                                                                               OPERATING SYSTEM:
                                                                                                                                                                                        FILING DATE:
CLASSIFICATION:
                                                                                              USA
                                                                                                                                                                                                                                                                                                                                                                     TOPOLOGY:
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                                                                                              COUNTRY:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             199 RMVLRILDHIFGFIVPLFVMLFCYGFILRTLFKAHMGQKHRAMRVIFAVVLIFLLCWLPY 258
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   NLVLLADTLMRTQVIQETCERRNNIGRALDATEILGFLHSCLNPIIYAFIGQNFRHGFLK 318
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          145 TLTQK-RHL--VKFVCLGCWGLSMNLSLPFFLFRQAYHPNNSSPVC---YEVLGNDTAKW 198
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  86 LLFALTLPIWAASKVNG-WIFGTFLCKVVSLLKEVNFYSGILLLACISVDRYLAIVHATR 144
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           27 Y-SPCMLETETLNKYVVIIAYALVFLLSLLGNSLVMLVILYSRVGRSVTDVYLLNLALAD 85
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   35.4%; Score 984; DB 8; Length 350;
44.4%; Pred. No. 1.72e-72;
7ative 76; Mismatches 80; Indels 12; Gaps
                                                                                                                                                                                                                                                                                                         REFERENCE/DOCKET NUMBER: P0806C1D1
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415/255-530
TELERA: 415/952-9881
TELEX: 910/371-7168
INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
                  CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/441,562
                                                                                CLASSIFICATION: 536
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/308880
FILING DATE: 19-SEP-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/974025
FILING DATE: 10-NOV-1992
ATTORNEY/AGENT INFORMATION:
NAME: LOVE, RICHARD B.
REGISTRATION NUMBER: 34,659
                                                                                                                                                                                                                                                                                                                                                                                                                                                                          LENGTH: 350 amino acids
TYPE: Amino Acid
TOPOLOGY: Linear
TOE 350 AA; 39805 MW; 660082 CN;
WinPatin (Genentech)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match 55.**,
Best Local Similarity 44.4%;
Matches 134; Conservative
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259 NEVLLADTLARTQVIQETCERRNNIGRALDATEILGFLHSCLNPIIYAFIGQNFRHGFLK 318
RMVLRILPHTFGFIVPLFVMLFCYGFTLRTLFKAHMGQKHRAMRVIFAVVLIFLLCWLPY 258
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                     Sequence 2, Application US/08802627
GENERAL INFORMATION:
APPLICANT: Lee, James
APPLICANT: Lee, James
APPLICANT: Wood, William I.
IITLE OF INVENTION: NUCLEIC ACID ENCODING PF4A RECEPTOR
NUMBER OF SEQUENCES:
CORRESPONDENCE ADDRESS:
ADDRESSEE: Genericech, Inc.
STREET: 460 Point San Bruno Blvd
CITY: SOuth San Francisco
STATE: California
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Length 350;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         COUNTY: USA
ZIP: 94080
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: WinPatin (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/802,627
FILING DATE: 19-Feb-1997
CLASSIFTATION: 514
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/284586
FILING DATE: 10-MG-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/076093
FILING DATE: 11-JUN-1993
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Score 984; DB 12; I
Pred. No. 1.72e-72;
76; Mismatches 80;
                                                                                                                                                                                                                                                                                          350 AA
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350 AA; 39805 MW; 660082 CN;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     APPLICATION NUMBER: 07/810782
FILING DATE: 19-DEC-1991
ATTORNEY/AGENT INFORMATION:
NAME: LOVE, RICHARD B.
REGISTRATION NUMBER: 34,659
TELECOMUNICATION INFORMATION:
TELEPHONE: 415/225-5530
                                                                                                                                                                                                                                                                                          PRT;
                                                                                                                                                                                                                                                                                                                                                                                                              Sequence 2, Application US/08802627
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Amino Acid
                                                                                                                                                                                                                                                                                          STANDARD;
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INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match 35.4%;
Best Local Similarity 44.4%;
Matches 134; Conservative
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US-08-802-627-2
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    145 TLTQK-RHL--VKFVCLGCWGLSMNLSLPFFLFRQAYHPNNSSPVC---YEVLGNDTAKW 198
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match 35.4%; Score 984; DB 12; Length 350; Best Local Similarity 44.4%; Pred. No. 1.72e-72; Matches 134; Conservative 76; Mismatches 80; Indels 12;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       E: 3.5 inch, 1.44 Mb floppy disk IBM PC compatible
                                                           350 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     SCETAMARE: WinPatin (Genentech)
CURRENT APPLICATION DATA:
PAPLICATION NUMBER: US/08/801,238
FILING DATE: 19-Feb-1997
CLASSIFICATION: 530
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/284586
FILING DATE: 10-AUG-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/076093
FILING DATE: 11-UTW-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/81078
FILING DATE: 19-DEC-1991
ATTORNEY/AGENT INFORMATION:
NAME: LOVE, RICHARG B.
REFERENCE/DOCKET NUMBER: 34,659
REFERENCE/DOCKET NUMBER: 97006P2P1D1
TELECOMMUNICATION INFORMATION:
THE COMMUNICATION INFORMATION:
THE COMMUNICATION INFORMATION:
                                                                                                                                                                                                               Sequence 2, Application US/08801238
GENERAL INFORMATION:
APPLICANT: Lee, James
APPLICANT: Wood, William I.
TITLE OF INVENTION: PF4A RECEPTOR
NUMBER OF SEQUENCES:
CORRESPONDENCE ADDRESS:
ADDRESSEE: Genentech, Inc.
STREET: 460 Point San Bruno Blvd
CITY: South San Francisco
STATE: California
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TOPOLOGY: Linear
ICE 350 AA; 39805 MW; 660082 CN;
                                                           PRT;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        PC-DOS/MS-DOS
                                                                                                                                                                                  Sequence 2, Application US/08801238
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TELEX: 910/371-7168
INFORMATION FOR SEQ ID NO: 2:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            LENGTH: 350 amino acids TYPE: Amino Acid
                                                           STANDARD;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       SEQUENCE CHARACTERISTICS:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             COMPUTER READABLE FORM:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   COMPUTER: IBM PC
OPERATING SYSTEM:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  MEDIUM TYPE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ZIP: 94080
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TELEPHONE:
                                                         US-08-801-238-2
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LLF		ILF
86		84

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³¹⁹ IL 320 || 321 IL 322

Search completed: Fri Nov 13 12:11:13 1998 Job time : 132 secs.

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!!SEQUENCE_LIST 1.0
(Nucleotide) WORDSEARCH of: /home/obryen/dra977/olig/us-08-887-977-9 check: 9278 from:
```

FROMIG of: /home/obryen/dra977/olig/US08887977.seq sequence 9, application us/08887977 general information: applicant: wang, wei applicant: gish, kurt c. applicant: schall, thomas j. . . .

TO: GenEMBL:* Sequences: 567,306 Total-length: 1,118,886,981 November 16, 1998 15:09

Database Release Information:
GenBank, Release 109.0, Released on 15oct1998, Formatted on 17oct1998
EMBL, Release 56.0, Released on 16Sep1998, Formatted on 18oct1998
Word-size: 15 Words: 54754 Diagonals: 3,201 Total-diagonals: 2,000,000,000

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COMMENT

CEZK678 35126 bp DNA INV 31-JUL-1998 Cenorababitis elegans cosmid ZK678, complete sequence. 91515170

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owery March 1,7% Score 19; DB 14; Length 35126; Best Local Similarity 100:09, Pred. Ro. 1,7%+00; Indels 0: Gape Marches 19; Conservative 0; Mismarches 0; Indels 0: Gape

RESULT 13
LOCUS A
DEFINITION

KETWORDS SOURCE ORGANISM

REFERENCE AUTHORS

ACCESSION

ACC04311 83942 bp DRA HTG 21-JUL-1998
*** EXPORTERS IN PROCRESS *** DS07714, D203; Drosephila
BL-94: BTGS phase 1, 22 unordered places.
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annotations omitted. Note: remainder of

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WARNING: Phase 1 High Throughput Genome Sequence ** computed error rate <= 1/10.

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TITLE JOURNAL REFERENCE AUTHORS

TITLE

COMMENT

** 23578 39119: contig of 9542 bp in length ** 53120 53199: gpp of unknown length ** 53200 63942: contig of 44743 bp in length. ** 5200 63942: contig of 44743 bp in length. ** 5001 contin continuity continui

ö Query Match 1.7%; Score 19; DB 13; Length 83942; Best Local Stallarity 100.0%; Pred. No. 1.774-0; Machine 19; Conservative 0; Mismatches 0; Indels 0; Gaps

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Cemportabeltis elegans
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Bukaryotes: Petacoda; Rhabditidae; Peloderinae; Caenorhabditis
1, theses 1 to 90557)
Miltares. RESULT 14 CET7AS 90557 bp DRA HTC 29-JAN-1998
DECIMAL Comportabilitie clegans DBA *** SEQUENCING IN PROGRESS *** from
ACCESION ALO13157 ATCS phase 1.

RID 92837512 KEYWORDS SOURCE ORGANISM REFERENCE AUTHORS TITLE JOURNAL

Nation (19.0) Meantode Sequencing Project, Sanger Centre, Submitted (19.0) Meantode Sequencing Project, Sanger Centre, Submitted (19.0) Meantode (20.0) Meanto

*** WARNING: Phase 1 High Throughput Genome Sequence ***

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Page 47

COMMENT

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* This sequence is unfinished. When sequencing is complete, * the sequence data presented in this record will be replaced *Py a single finished sequence with the same accession number. I.costion/Qualifiers

Organiam-"canochabditis elegans"
(Ab_Tref" taxon 6239"
(Abromasome 77 (2001)
(1011 c 10455 g 19700 t 29702 others BASE COUNT 20069 a ORIGIN Query March 1.7%, Score 19, DB 13; Length 90557; Deet Local Similarity 100.0%, Pred No. 1.778-40; Indels O: Gaps Marches 19; Conservative O: Minmarches O: Indels O: Gaps

TITLE Direct Submission with the law, K.B., Tee, A., Ehang, R., Zieran, L.L.

Direct Submission of Color 1989 Berkeley Drosophila Genome Project, MS

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NID KEYWORDS SOURCE

HTC.

Drosophila mclanogaster (Subclones in tet from P1 clones D805759 (19704) and D809033 (D111) DRA.

Drosophila mclanogaster (Subclones in tet from P1 clones D805759 (19704) and D809033 (D111) DRA.

Drosophila mclanogaster (Subclones; Hexapoda; Insecta) Prantycides.

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Tue Nov 17 08:55:24 1998

TITLE JOURNAL REFERENCE AUTHORS

COMMENT

Drosophilidae: Drosophila.

1 (Rases 1to 13479)

2 (Caniker: E., George R.A., Galle, R., Sylrakas R.R., Boskins R.A., Robarda. A., Arcalina 71.1. Barker, E., Bazel, R.G., Charer, C., Robarda. A., Arcalina 71.1. Raidan. B. Bazel, R.G., Charer, C., Robarda. A., Mark. T., Marden. D. Bazel, R.B., Bazel, R.G., Charer, C., Robarda. A. Mak. T., Marden. P. Bork, B. Monherel, A. Monherel, A. M. Mar. T., Watche, P. Monh. P. B. Monherel, A. B. Bazel, R. B. Perland, R. B. Bazel, R. C. Chare, C. Chares, C. George, R.A., Calle, R. Sylrakas, R.R., Robkins, R.A., Callker, S., George, R.A., Calle, R., Sylrakas, R.R., Robkins, R.A., Charle, C. Chare, C. Chare, C. Gher, M. M. A. Mar. J. Bazel, R. G. Chares, C. Charler, S. G. Gherel, C. Charler, R. Monherel, A. Mar. J. March, D. Bazer, E. Bazel, R. C. Chare, C. Charler, R. Mar. J. March, D. Watch, R. Mar. J. March, D. Bazer, R. J. Bazel, R. C. Charler, C. Charler, C. M. Mar. J. March, J. March, D. Mar. J. Bazel, R. J. J.

*** **** FARNING: Phase 1 High Throughput Genome Sequence **

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Outery Match 1.78; Score 19; DB 14; Length 95262; Peat Ro. 1.776+00; Peat Local Similarity 100.04; Peat Ro. 1.776+00; Marches 19; Conservative 0; Mismatches 0; Indels 0;

Drodophila melanogaster Enkaryota Netason Arthropoda; Tracheata; Bexapoda; Insecta; Entryota; Diptera: Branhyota; Muscomorpha; Ephydroidea;

\$333. gap of Mahoon length \$534. gap of Mahoon length \$7721. gap of Mahoon length \$7722. gap of Mahoon length \$77222. gap of Mahoon length \$77222. gap of Mahoon length \$7

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Tue Nov 17 08:55:24 1998 US-08-08-08-07-9-190	Page 53	Tue Nov 17 08:55:24 1998	US-08-887-977-9.rge	Page 54
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R88213 matching this clone; match: 678 G45798 G28316, matching this clone 201809; paired with ETT R87996 matching this clone 201809; paired with ETT R87996 repeat_region 7095: 7351. 2352 clone. repeat_region 7005: 7303: 7303 ergent: matches 112. 394 of consenaus; repeat_region 7005: 7303 ergent: matches 122. 394 of consenaus; repeat_region 7005: 7303 ergent: matches 122. 394 of consenaus; repeat_region 7005: 7303 ergent: matches 122. 394 of consenaus; repeat_region 7005: 7303 ergent: matches 12. 370 of consenaus; repeat_region 7005: 7303 ergent: matches 12. 370 of consenaus; repeat_region 7005: 7303 ergent: matches 13. 370 of consenaus; repeat_region 7005: 7303 ergent: matches 13. 370 of consenaus; repeat_region 7005: 7303 ergent: matches 103. 1 of consenaus; repeat_region 7005: 7303 ergent: matches 103. 1 of consenaus; repeat_region 7005: 7303 ergent: matches 103. 1 of consenaus; repeat_region 7005: 7303 ergent: matches 103. 1 of consenaus; repeat_region 7005: 7303 ergent: matches 120. 1 of consenaus; repeat_region 7005: 7303 ergent: matches 120. 1 of consenaus; repeat_region 7005: 7303 ergent: matches 120. 1 of consenaus; repeat_region 7005: 7303 ergent: matches 120. 1 of consenaus; 7005: 7304 ergent: matche		Tepeal_region	700te *Putative CpG island* 3818. 3848. 3818. 3848. 3818. 3848. 400te *Alux repeat: matches 1. 380 of consensus* 400te *Alux prepat: matches 183. 1 of consensus* 400te *Alux prepat: matches 164. 285 of consensus* 400te *Alux prepat: matches 164. 285 of consensus* 400te *Alux prepat: matches 105. 923 of consensus* 40te *Alux prepat: matches 105. 923 of consensus* 40te *Alux repeat: matches 40. 262 of consensus* 40te *Alux repeat: matches 40. 10 of consensus* 40te *Alux repeat: matches 380. 110 of consensus* 40te *Alux repeat: matches 380. 10 of consensus* 40te *Alux repeat: matches 10. 10 of consensus* 40te *Alux repeat: matches 10. 10 of consensus* 40te *Alux repeat: matches 10. 10 of consensus* 40te *Alux repeat: matches 11. 301 of consensus* 40te *Alux repeat: matches 12. 301 of consensus* 40te *Alux repeat:	

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/grow-WGGSC:R_RG114406.1.
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10.11(1). . 6116.6. 6512. . 65684, 83411. . 83570,93643. . 93697,
15.11(1). . 15.7243.1.54684. . 15.4766.174377. . 10.7387,
15.21(1). . 15.7243.1.54684. . 15.4766.174377. . 10.7387,
18.21(1). . 15.7243.1.54684. . 15.4766.1746.1.
/grow-wggsc:R_RG114406.1.
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Note: remainder of annotations omitted.

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RESULT 19
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DEFINITION Ruman DNA sequence *** SEQUENCING IN PROGRESS *** from clone
ACCESSION AL021553

13133085 HTG: HTGS_PHASE1. ACCESSION NID ETMONDS ESOURCE ORGANISM

Romo sapiens Eukaryota; Metazoa; Chordata; Vertebrata; Mammalia; Eutheria;

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174: Score 19; DB 13; Length 195118; Best Local Smillstity 100.0% Pred, No. 1,776+00; Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps Matches 19; Conservative 19; Managon 19; Conservative 19; Mismatches 19;

PYTCPRECIZ 1089 bp DNA 08-AUG-1995 Pram 08-AUG-1995 Pyraminonas sp. chloroplast ribulose-1,5-bisphosphate carboxylass-(xxyg)enase large-mbunit (rbcl) gene, partial cds. SOURCE Chicords Chico ACCESSION

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RESULT 20 LOCUS PYT DEFINITION PYT

9 990334 1.5-bisphosphate carboxylase/oxygenase large subunit.
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* This sequence is unfinished. When sequencing is complete, * the sequence data presented in this record will be replaced by a single fliabled sequence with the same accession number Location/Qualifiers 1. 15518 ** WARNING: Phase 1 High Throughput Genome Sequence ***

/clone="347813" | 45096 a 45147 t 15214 others

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/organism="Homo sapiens" /db_xref="taxon:9606" /chromosome="22"

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Query Match 1.6%; Score 18; DB 19; Length 1089;
Best Local Similarity 100:04; Pred. No. 1.076-01;
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Page 61

Primates; Catarhini; Hominidae; Homo. (bases 1 to 195118) Sulston, J.
Direct Submission

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RESULT 23
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Cathorylase (tbcl) gene, partial cds.

Opery Match
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Best Local Similarity 100:0%; Pred. No. 1.079-01;
Matches 18: Conservative 0: Mismatches 0; Gaps

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Direct Súbmission Submitted (22-NOV-1984) Misls Daugbjerg, Department of Phycology, University of Copenhagen, Oester Parinagagade 2D, 1353 Copenhagen O, Denmark

/organism="Pyramimonas propulsa" /chloroplast /strain="K-0005"

ocation/Qualifiers1089

FEATURES

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Page 67

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/ Generation / Gen
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/chloroplast
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gene

Query Match 0000 1.6; Score 18; DB 19; Length 1089; Best Local Similarity 100.08; Pred. No. 1076+01; Matches 18; Conservative 0; Mismarches 0; Indels 0;

RESULT 25
LOCUS ABO09369 1302 bp mRRA ROD 09-DEC-1997
DEFINITION 132 musculus mRRA for G protein-coupled receptor KY411, complete Nos mucrottas Bokaros; Chordata; Vertebrata; Mammalia; Buthoria; Bokaryotes; Meraca; Chordata; Murides; Murines; Mus. 1. (Amea 1 to 1301)
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Vicuees, SARM, positive-strand viruses, no DRA stage.
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db_xref" PID:g1668199
translation="MRAWLLLAVIATPQTIVKVASTED1SQRFIAA
AGGSGGGPRSGGASTSTALAXAAARSPSDSDRBHRS
AGGSGGGPRSGGASTSTALAXAARSPSDSDRBHRS
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gene="dpp"
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23-JUN-1997 AB002314 6935 bp mRRA PRI Human mRRA for KIAA0316 gene, complete cds. AB002314 \$2224572

Homo sapiens male brain cDNA to mRNA, clone_lib:pBluescriptii SK Homo sapiens Eukaryotes; mitochondrial eukaryotes; Metazos; Chordata; Vertebrata; Mammalla; Eutherla; Primates; Catarrhini; Hominidae; RESULT 31
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Miyajima, M., Kofani, H., Nomina, R. and Ohara, O.
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Miyajima, M., Tanaka, M., Nokahi, M., Ohana, M. and Ohata, M.
Tir Gromphete sequences of unidentified human genes.
With The Complete sequences of 100 new CDNA clones from brain which can code for Large process in vitro
En 9745998 (2), 141-150 (1997) clone_lib="pBluescriptl1 SK plus" Location/Qualifiers 1. .6935 JOURNAL II MEDLINE 9 FEATURES SOUICE REFERENCE gene TITLE

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Richter, Brydfoolder, Drosophila.

1 (News 1 to 438)

Richter, Long, M., Lewontin, R.C. and Nitaeaka, E.

Richter, B., Long, M., Lewontin, R.C. and Nitaeaka, E.

Richter, B., Long, M., Lewontin, R. C. and Silvers, Controlling early development in Drosophila

Genetics 15 (2), 311-323 (1997) REPERENCE AUTHORS TITLE

JOURNAL MEDLINE REPERENCE AUTHORS

Newfeld, S.J., Padgett, R.W., Findley, S.D., Richter, B.G., Sanicola, W., de Clevras, W. and Gelbart, W. M. Solicollar evolution at the decapentaplesic locus in Drosophila Genetics 145 (2), 297-309 (1997) TITLE

misc_feature 3446.351 JACE COUNT 1107 a 1143 c 1023 g 965 t ORIGIN

Query Match 1.6%; Score 18; DB 14; Length 4239; Best Local Similarity 100.0%; Prett. No. 1.078+01; Makeches 18; Conservative 0; Mismatches 0; Indels 0;

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COUST CENARRS 7555 bp RNA VRL 15-NOV-1995
DEPINITION Human enteric calicivirus ORF1, ORF2 & ORF3 genes.
ACCESSION X86557

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CET1220 15280 bp DRA INV 31-JUL-1998
DEFENTION Caenochabditis elegans cosmid H31920, complete sequence.
ACCESSION AL021066
NID 92706467 NID KETWORDS H SOURCE ORGANISM C

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Ainscough, R., Anderson, K., Baynes, C., Berks, M.,

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Bonfield,J. Burton,J., Connell,M., Copsey,T., Copper,J., Coulson,A., Caston,M., Pear, S., Du,R., Duthin,R., Freilo,A., Fulton,L., Caston,M., Dear, S., Du,R., Duthin,R., Freilo,A., Fulton,L., Jones M., Kershaw,J., Kirsen,J., Laittiner,M., Laittiner,M., Laittiner,M., Laittiner,M., Laittiner,M., Saudes M., Sonnikam, M., Paray,C., Kirsen,L., Kopra,A., Saudes M., Saudes M., Sandom, M., Sandom

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Grimaila,R., Padgett,R.W., Irick,H.A. and Gelbart,W.M. Molecular organization of the decapentaplegic gene in Drosophila mealanogaster (7), 1114-1127 (1990)

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Drosophia melanogaster
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Trachette: Rexagoat: Inserver: Perrgate. Dipters:
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A transcript from a Drosophila pattern gene predicts a protein
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REVERLAGO, J., Padgett, N., Findley, S.D., Richter, B.G.,
Sandola, M., de Clevae, M. and Gelbatt, M. M.
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(concellar, volution at the decapertepiegic locus in Drosophila
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Sandola, M., de Clevae, M. and Gelbatt, M. M.
Concellar, S.D., Sylvae, G. S., Sylvae, C. S., Sylvae, G. Sylvae, G

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join(845. .9922,12593. .13474,15192. .21744)
/join(845. .9922,12593. .13474,15192. .21744)
/more=*dpre

8545. .955 /gene="dpp" /note="alternative exon 1D" /citation=[2]

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Sult.(J. FMILEO.) Olsen,G.J., Ehou,L., Fletschmann.R.D.,
Sutton (G. Blake, J.A., Firederald,L.H., Clayton,R.A.,
Cocayne,J.D., Kelikwes,R.R., Dougherty,B.A., Tomb,J.J., Adams,M.D.,
Reich,G.T., Overbeek,R., Elizase,B.P., Waisstock, G.G.,
Reich,G.T., Overbeek,R., Soutt,J.D., Geoghagen N.G., Peimann,J.P.,
Fuhrmann,J.E., Soutt,J.D., Googhagen N.G., Peimann,J.P.,
Fuhrmann,J.E., Sadav-Pr. Ranns, M.C., Cotton,B.D., Burst,H.A.,
Smith,R.O., Sadav-Pr. Ranns,M.C., Cotton,B.D., Rivest,G.H.,
Smith,R.O., Weese,G.H. and Venter,J.C.
L. Simmirced (J.A.)Ano-1996 pp. Institute for Genomic Research, 9712
Hedian Conter Dr. Rockyille, PD 20950, USA PEATURES Source REPERENCE TITLE

complement[134..1770] /gene=NKD765 complement[134..1770] /note="aimilar to GB:E11975 SP:C01770 PID:49286 percent

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US-08-887-977-9.rge // Ab_ref="PD::g149589" // Ab_ref="PD::g14958" // Ab_ref=	pincies" hypothetical protein; identified by GeneMark; pincies" hypothetical protein; identified by GeneMark; codon_gent; /codon_gent; /codon_gent; /product* jannashii predicted coding region MO769** /product* jannashii predicted coding region MO769** /product* jannashii predicted coding region MO769** /prodicted * PID 94199589** /prodicted * PID 94199589** /prodicted * PID 94199589** /prodicted * MO770** /prodicted * MO77	RELITION INITIATION CONTROL SECURIOR SE	U8-08-887-977-9.zge	/gene-'NA10715' 9747. 10687 der of annotations cmitted. 1.68. Score 18, DB 12; Length 19436; 8. Similarity 100.0% Pred No. 1.076+01; Length 19436; 18, Conservative 0; Mismatches 0; Indels 0; Gaps 0;	DRA CEROCOLO 20065 bp DRA INV 31-JUL-1998 CEROCOLOMBOLICA Elegan commid F26D10, complete sequence. S 260.23 S 40150741 S	Johnston L., Jones M., Kerabav, J., Kinster, J., Lidhing, J., Lidyin, J., Kinster, J., Lidhing, J., Lidyin, J., Kinster, J., Lidhinghan, M., Parabay, J., Lidyin,
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Fulton, Cratton, M. Dear, S. Duit, Dublish, R. Perins, P. Pulton, Conson, J. Connell M. Coper, J. Marter, J. Sir, M. Connell, M. Parsons, J. Parson, S. Milson, J. Jaister, M. Jaister, M. Saunder, M. Parsons, J. Parson, S. Milson, J. Marter, M. Sonhammer, S. Staden, J. M. Parsons, J. Parson, S. Matth, A. Sonhammer, S. Staden, J. M. Therry Markey, J. Thomas, R. Wallen, M. Wallon, M. Wallen, M.

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LOCES REFERENCE AUTHORS

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Page 99

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October Lat. 13. (Abraham) 13.

368 (6466), 32-38 (1994) elegans Nature 368 (6466), 32-31 94150718 2 (bases 1 to 37854) Lloyd,C. JOURNAL MEDLINE REFERENCE AUTHORS TITLE JOURNAL COMMENT

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/chromesome="lil"
/chromesome="lil"

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Page 100

Page 98

from this gene; cDNA EST yk324e11.5 comes from this gene; CDNA EST yk3315.5 comes from this gene; cDNA EST yk4445.5 comes from this gene; cDNA EST yk489a5.5 comes from this gene*

Tue Nov 17 08:55:24 1998

Page 102		P85e 104	
Tue Nov 17 08:55:24 1998 US-08-887-977-9.rge	prediction // Octo-Protein predicted using Genefinder; preliminary prediction // Octo-gara-1 // Octo-gara-1 // Octo-file 13/807 // A. Arti-1-10-19/80898AAAADARTYPPOGDANNHITRADRICHLI // A. Arti-1-10-19/80898AAAADARTYPPOGDANNHITRADRICHLI ELEKAMPRANINGENDICHEADINIAN PROTEIN-CHIANDERDANG PROTEINA, NOVARHILAGHILA, INTROPHALIAN PROTEIN-CHIANDERDANG PROTEINA, NOVARHILAGHILA, NANATCHALAN PROTEIN-CHIANDERDANG PROTEINA, NOVARHILAGHILA, NANATCHALAN PROTEIN-CHIANDERDANG PROTEINA, NOVARHILAGHILA, NANATCHALAN PROTEIN-CHIANDERDANG // Octo''' // Octo''' // Octo''' // Octo''' // A. Arti-1-'' // A. Arti-1-'' // A. Arti-1-'' // A. Arti-1-'' // Octo''' // Oct	The Nov 17 0815124 1998 The Nov 17 0815124 1998 Exceptions are indicated by an explicit cote information to the content of t	ERGATSORPYDENCALAKADRENTLOPH HRAGGLATRA LGVLAATAPPCEFRAI SQELEDEPUCATFRAGOLAKAARNI EVPT HIEHFOAKFSENPRQKASEKLAFQFTLIFI
Page 101		Page 103	
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The Nov 17 08:55:24 1998 US-08-887-977-9.rge	CDS COOD_LATE. CDS COOD_LATE. A407. 12570, 1461. 2393. 13908. 23630, 23540, 23528. A407. 12570, 1461. 23631, 23908. 23630, 23540, 23528. A407. 12570, 1461. 23631, 23908. 23630, 23540, 23541) A706. 1670. 1670. 1670. 1670. 1670. 1671. 23630. 23640, 23541) A706. 1670	The Nov 17 08:55:24 1998 Prim_transcript 4335. 3562
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(-31, ** acces: 5.8e**13; database searched: n; TTPE-1

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Tue Nov 17 08:55:24 1998 US-08-887-977-9.rge	PROBENACIONATLASPINCEDENVETCOESPWRINGEROUS GEOGRAPHER SERVER SERV	The Nov 17 08155124 1998 The Nov 17 0815512 19955 Contig of 4466 bp in length The Nov 17 081512 1 19559 Contig of 4466 bp in length The Nov 12 072512 1 19559 Contig of 4466 bp in length The Nov 12 072512 1 19559 Contig of 4466 bp in length The Nov 12 072512 1 19559 Contig of 4466 bp in length The Nov 12 072512 1 19559 Contig of 4466 bp in length The Nov 12 072512 1 19559 Contig of 4466 bp in length The Nov 12 072512 1 19559 Contig of 4466 bp in length The Nov 12 072512 1 19559 Contig of 4466 bp in length The Nov 12 072512 1 19559 Contig of 4200 Contiguent (1210) The Nov 12 072512 1 19559 Contiguent (1210) The Length Contiguent (1210) The Length Contiguent (1210) The Length Contiguent (1210) The Length Contiguent (1201) The Length Contiguent (
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RESULT 46 LOCUS DEFINITION

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Direct's implication of the control sequence. The sequence is unfinished and deas not necessarily represent the correct sequence. Work on the sequence is in progress and the release of this data is based on the understanding that the sequence may be contaminated with foreign sequence. From Ecolity, yeast, vector, phase control of the 
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1. 113187
                                                 HS287L14 113187 bp DRA BTG 17-JUL-1998
Human DRA sequence *** SEQUENCING IN PROGRESS *** from clone
287L14; HTGS phase 1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  omo sapiens
Nukaryota, Metasos, Chordata; Vertebrata; Mammalla; Butheria;
Timates; Catarrhini; Rominidae; Romo.
(bases 1 to 113187)
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** WARNING: Phase 1 High Throughput Genome Sequence ***
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/db_ref="taxon:9606"
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Db 77579 TCTTGAAGGACCTGTGGT 77596 Qy 962 TCTTGAAGGACCTGTGGT 979

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HS125H2 173513 bp DNA PRI 16-UUL-1998
Hauen DNA sequence from clone 125g2 on chromoscore 22q11-12 Contains
sequence of myosin heavy chain gene, EST, CA repeat, STS, GSS, complete
                                                                         ACCESSION
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Ligh FTG: myosin heavy chain; repeat polymorphism.

Bunan denies

Bularyca; Metazoa; Chordata; Vertebrata; Mammalia; Butheria;

Finace; Casarinin; Rominidae; Bono.

1 (bases 1 to 173513) REFERENCE AUTHORS TITLE JOURNAL COMMENT

/organism="Homo sapiens" /db_xref="taxon:9606" /chromosome="22" repeat_region FEATURES SOUFCE gene

/alone=121587 /a

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Tue Nov 17 08:55:24 1998

Copies 6 mer aataat 98% conserved" 10(135%, 1433) 112 repeat: matches 145. .75 of consensus" nt(3136, .3334) 178.11 repeat: matches 912. .707 of consensus" nt(3438. .7343) mplament(1443) 1743)
ore-*Alusq repeat: matches 283 . 24 of consensus*
anglement(1750, 4067)
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Waterston, R. H.

Sharet Subression

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Sharet (12-7978-1998) Genome Sequencing Center, Washington

Doisersity School of Medicine, 4444 Forest Park Parkway, St. Louis,

13108 1958.

* WARMING: Phase 1 High Throughput Genome Sequence ***

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ACO04993 163117 bp DRA HTC 13-JUN-1998 ACO04993 ACO04993 ACO04993 ACO04993 HTC BASE I, 2 unordered plecer place in the property of the propert

This sequence is unfinished. It consists of 2 contigs for anyth the order is not known; their order in this record in this record in the record or as the sequence only; when sequence is as runs of N as a convenience only. When sequence is the sequence data presented in this record lil be replaced by a single finished sequence with the same accession number is 164; contig of 1656 bp. In length 165; 15317; contig of 1656 bp. In length. Location/qualifiers

/Organism="Nomo saptens"
/Organism="Nomo saptens"
/Object*(ason) 9606*
/Object*(bill) 9606*
/ PEATURES

Query Match 1.6%; Score 18; DB 13; Length 163117; Beet Local Similarity 100; 0%; Pred Ro. 1.07e-01; A. Matches 18; Conservative 0; Mismatches 0; Indels 0;

RESULT 47

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Page 121

repeat_region

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Tue Nov 17 08:55:24 1998

repeat: matches 297. .112 of consensus "-7 copies 6 mer acacac 93% conserved" ement(14793, .14623) "HIRZ repeat: matches 124, .94 of consensus" .13102 repeat: matches 101. .146 of consensus ce="AluJb repeat: matches 297. .112 of consensu 7. .17021 **AluJb repeat: matches 1. .101 of consensus" (3. .17669 --- 8 copies 4 mer tgaa 94% conserved*
lement (17653. 17971)
--- MIR repeat: matches 189. 77 of consensus*
--- MIR 18154 RZ repeat: matches 85. .130 of consensus" 9377 note="AluSp repeat: matches 1. .303 of consensus" complement(8081. .8159) .R2 repeat: matches 146. .60 of consensus' . 1000 ropeat; matches 1. 299 of consensus itematicoses. 1101 . 1000 consensus itematicoses. 1101 . 100 occupantoses itematicoses 146. . 88 of consensus itematicoses 1100. . 63 of consensus itematicoses 1100. . 63 of consensus . .12365 ="AluSc repeat: matches 1. .299 of consensus" . .12515 R repeat: matches 80. .146 of consensus" 8385 e"WIR repeat: matches 23. .226 of consensus" lement(15147. .15295) **HR repeat: matches 199. .44 of consensus" 5. .15931 tches 245. .65 of consensus" ce="MIR repeat: matches 245. .65 of consensus"
l.ement(9789. .9950)
.e="MIR repeat: matches 250. .54 of consensus"
15. .10353 "WIR repeat: matches 97, .149 of consensus" 1, .10802 - AluSc repeat: matches 1, .299 of consensus "MIR repeat: matches 44, .262 of consensus" ement(15848. .16027) R repeat: matches 80. 146 of consensus* 4. 1341-year: matches 134. 48 of conserved in 13 och the state of conserved in 1345 och the state of the state of the state och repeat_region 'epeat_region repeat_region repeat_region repeat_region repeat_region repeat_region repeat_region repeat_region

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/note="MIR2 repeat: matches 85. .130 of consensus"

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COMMENT

*** WARNING: Phase 1 High Throughput Genome Sequence ***
*** WARNING: Phase 1 High Throughput Genome Sea

* This sequence is unfinished. When sequencing is complete, * the sequence data presented in this record will be replaced **py a single finished sequence with the same accession number. Location/Qualifiers

FEATURES SOUICE

Db 39317 ATGCCACTGGTGGTGGG 39334
Qy 290 ATGCCACTGGTGGTGG 307

RESULT 48
LOCUS HESTIA9 180163 bp DRA HTG 13-UTL-1998
DEFINITION Human DNA sequence *** SEQUENCING IN PROGRESS *** from clone 211A9;
ACCESSION 255808
NIDS 93319933
KETWORDS HTG: HTG: PHASE1. ACCESSION NID KETWORDS SOURCE ORGANISM

oo sapins karyota: Metazoa; Chordata; Vertebrata; Mammalia; Butheria; karyota: Metazoa; Chordata; Wertebrata; Mammalia; Butheria; (bases i to 180183)

Direct Submission

Direct Submission

Direct Submission

Direct Submission

Submitted (13.701-1999) Wellcome Trust Genome Campus, Binxton, Cambridgeshire, CB10 134, UK. E-sail enquires:

Cambridgeshire, CB10 134, UK. E-sail enquires:

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/note="Aluo repeat: matches 236...2 of consensus" complement/2844... A8576).
/note="Li repeat: matches 301...4889 of consensus" complement/21313... 73534).
/note="MERZ repeat: matches 345...1 of consensus" complement/21318... 73751pes 238... of consensus" complement/21318... and the same as a complement/21318... and the matches 238... of consensus" complement/21318... 280321... and the same as a consensus complement/21318... 280321... and the same and the

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1.6%; Score 18; DB 21; Length 173513;

Note: remainder of annotations omitted.

Query Match

e"HTR repeat: matches 6. .201 of consensus" lement(24144. .24436) e"Alusa repeat: matches 300. .7 of consensus" 4. .24767

IR repeat: matches 56. .98 of consensus" 14323

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="MIR repeat: matches 6. .201 of consensus" (ement(26155. .26449)

Page 124

/db_xref="taxon:9606" /chromosome="22" /

Query Match 1.6%; Score 18; DB 13; Length 180163; Best Local Similarity 10.0%; Pred. No. 1.074-00.00; Makethes 18; Conservative 0; Minmatches 0; Indels 0; Gaps

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Db 51664 redrectronerrone 51681
Qy 749 redrectronerrone 76

RESULT 49
LOCUS
1.000479 190000 bp DRA EEG 03-UUL-1998
DEFINITION *** SEQUENCING IN PROGRESS *** Homo sepiens chromosome 4, BAC clone
ACCESSION AC004179
ACCESSION AC004179 iomo sapiens iomo sapiens Arayota, Metzoa; Chordata; Vertebrata; Mammalia; Eutheria; Primates; Catarrinii; Hominides; Homo. 1. (bases i to 190000) Serone, E., Schmutz,J.J., Cox,D.R. and Myers,R.M. 93287699 HTG; HTGS_PEASE1. human. ACCESSION NID KETWORDS SOURCE ORGANISM

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Department of Genetics, Stanford Human
Genome Center, 855 California Avenue, Palo Alto, CA 94304, USA *** WARNING: Phase 1 High Throughput Genome Sequence *

This acquence is unfinished. It consider of 46 contigs for arbitrary in seme cases, the exact lengths of the spape arbitrary. In seme cases, the exact lengths of the spape between the contigs are also unknown; these gaps are presented as runs of N as a conventence only, when sequencing is complete, the sequence data presented in this record will be replaced by a single funished sequence with the asset accression number.

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Cp 968 TICAGATCTICAGAAAG 951

Nomo sapiens Eukaryotes, mitochondrial eukaryotes; Metasoa; Chordata; Verteforta; Mammalla; Eutheria; Primates; Catarrhini; Hominidae 27-MAY-1997 PRI LOCUS HSUBS195 200349 bp DNA LOCUS Homo sapiens BAC129, complete sequence. ACCESSION UBS135 HID 92121229 RESULT 50 LOCUS H DEFINITION H NID KEYWORDS SOURCE ORGANISM

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Release 3.1A John F. Collins, Biocomputing Research Unit. Copyright (c) 1993-1998 University of Edinburgh, U.K. Distribution rights by Oxford Molecular Ltd

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RESULT 2

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Recombinant molecule for preparation of male sterile plants - used to produce threas resistant plants and for increase in seed yield Example 12 Fig 5c(1-4): 224pp; English.

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pollen. Disclosure: Pig 3c; 207pp; English.

Page 28

US-08-887-977-9.Eng

coll polymerase III holo:enzyme - used to make man-made enzyme of 5 cor of sub:unite, useful for Long chain PCR.

To fail and 10 column 9-12; 65pp; English.

This is the nucleotide sequence encoding the delta subunit of the E. coli DRA polymerase III holosmyme. The sequence was isolated from a lambda place library using probes based on the sequence of the trypic peptides 178072-178072-178073-178073-1808-118 ubunits (theta, chi, pai, delta and delta' (17812)-178015 respectively) are used to make man-made enzymes exemptions of comprising 5 or subunits and potentially for use in long chain PCR.

Sequence 1033 p; 241 A; 372 C; 378 C; 251 T;

Ouery Match 1.54; Score 17; DB 36; Length 1032; Best Local Smilarity 100:04; Peter No. 355+00; NSCHORS NATCHES 17; Conservative 0; Mismatches 0; Indels 0;

8

RESULT 5

Odvilor etandard; DNA; 1032 BP.

Odvilor etandard; DNA; 1032 BP.

DOAD: 1994 (first entry)

DE DNA; 1994 (first entry)

DR DNA; 1994 (first entry)

PR SA; 1002

PR W09315115-A.

PR W09315-A.

PR W

M993151151.

12--2M1-1933. 100627.

12--1M1-1932. 100627.

(CORN CONNELL RES FOUND INC. CORNELL RES FOUND INC. WPI. 93--2586189.3.

WPI. 93--2586189.3.

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WILL 92-1586

Charapte; Page 15-16; 115pp; English.
The sequence is that of the DNA polymerase III holoensyme delta subunit hola gene,
Sequence 102 Bp; 241 A; 262 C; 278 G; 251 T; Query Match 1.5%; Score 17; DB 8; Length 1032; Best Local Similarity 100,0%; Perf. No. 3 BSet*00; Natches 17; Conservative 0; Maimatches 0; Indels 0;

US-08-887-977-9.rmg

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connected was identified a microspore-specific and critical to pollan (Cometa and function are accounted as a pollan-specific gene in the anti-sense contention with respect to the promoter. The construct is cristation with respect to the promoter. The construct is consistent with respect to the promoter. The construct is naddition the plannid carries a resistance gene to a chemical content of stress. The ense and and selected according to that where expressed at about the same time as each other. Or presence of the resistance gene. The promoter is inducible so that on that has not expressed at about the promoter as inducible so the presence of the resistance gene. The promoter is inducible so that contains are male-sterile only in the presence of the appropriate contains and contains are made and contains are made according to sequence 3133 pp. 1031 A; 701 C; 579 G; 596 F; 888888888888888888

Query Match 1.7%; Score 19; DB 1; Length 3293; Bet Local Similarity 10:0%; Pred. No. 1.366-01; Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps a

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RESULT. 4

DE 199134 standard; DNA: 1032 BP.

E 199134 standard; DNA: 1031 BP.

DE 114 should; PE 2015. DNA POLYMERSE III holoensyme; probe; ensyme; probe; destriction coil. DNA polymerse III holoensyme; probe; ensyme; probe; destriction coil. DNA polymerse III delta subunit*

F CDS 1.1023 FF 7 9 PROBOCH* DNA POLYMERSE III delta subunit*

F 7 9 PROBOCH* DNA POLYMERSE III delta subunit*

F 8 12-7UL-1994 173968.

PR 22-7UL-1994 173968.

PR 22-7UL-1994 105-279058.

PR 27-7UL-1994 105

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W09745543-A2.

D0 04-DEC-1997.

D0 10-DEC-1997.

D0 04-DEC-1997.

D0 04-DE
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Page 29
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Ocery Match
1.5%; Score 17; DB 34; Length 1059;
Bet Local Similarity 100:04; Ped. 180. 3785+06.
Matche Coll Similarity Conservative 0; Minmatches 0; Indels 0; Gaps 0;
                                                                                                                                                                                                                                                                                                                        nesuln # standard: cDNa; 1255 BP.

No 775919 standard: cDNa; 1255 BP.

No 775919 standard: cDNa; 1255 BP.

No 775919 standard: cDNa; cDNa;
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/*tag= a
                                                                                                                                                                                                                                      MESULT 6

MESULT 1915: standard; cDNs, 1059 BP.

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MESULT CHEADALMS CONT.

MESULT CO
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Page 32

WO 9639437-A1. (Note= "1") primer site for CDNA amplilication.

PD 12-DEC-1996.
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Query Match 15%, Score 17; DB 25; Length 1414; Best Local Similarity 100:0%, Pred. No. 3:55=00; Indela 0; Gaps Matches 7; Conservative 0; Himmatches 0; Indela 0; Gaps

Db 1163 agaagttcagaactac 1179

Db 962 agaagttcagaaactac 978

Query Match 15%, Score 17; DB 19; Length 1255; Det Local Similarity 100:04, Pred. No. 3:55+00; Indels 0; Marmatches 0; Indels 0; Gaps Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps

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935 AGAAGTTCAGAAACTAC 951
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PR N09712019-A2.

PR N09712019
14-APR-1999 (first entry)

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/*tag= a
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Opery Match 1.5%; Score 17; DB 37; Length 1442; Best Local Similarity 100:09; Pref. No. 355+60; Marches 17; Conservative 0; Mismatches 0; Indels 0;

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719.57.2 standard; CDRA: 1557 BP.
795942 atandard; CDRA: 1557 BP.
795942 standard; CDRA: CTR CDRA: 1799407 standard; CTR CDRA: Mamani Demorpher receptor MRIR-CCR CDRA: Mamani Demorpher instruptings; Chemotaxia; handamani con profilerative disease; cardidamation; profilerative disease; cardidamation; profilerative disease; cardidamation; Prowell disease; a schman mya disease; a schman mya disease; cardidamation; powell disease; volume species in soft, Christian High Species in Schman Communication; Cowell disease; volume species in Sp

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Query Match 1.5%; Score 17; DB 34; Length 1526; Best Local Similarity 100.0%; Pref. No. 385+00. 385+00. Watches 17; Conservative 0; Mismatches 0; Indels 0;

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WO9741225-A2. 06-NOV-1997. 25-APR-1997; U06993.

Page 35

PR 26-APR-1996; US-638081.

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Query Match
1.59; Score 17; DB 39; Length 1557;
Best Local Similarity 100.0%; Pred. No. 385+00;
Manatches 17; Conservative 0; Mismarches 0; Indels 0;

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Page 34

Page 33

PT W0973019-A. /*tage a pt w0973019-A. /*tage a pt w0973019-A. /*tage a pt w0973019-A. /*tage a pt w0973019-A. /*tage b pt w0973019-A. /*tage pt w0 w0973014-A. /*tage pt w0973014-A. /*tage 

Query Match 1.59; Score 17; DB 37; Length 1477; Best Local Similarity 100.09; Pred Bo. 2.855+00; Machae 17; Conservative 0; Mismatches 0; Indels (

Db 1144 agaagttcagaaactac 1160

Page 36

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RESCUENT 14
RESCUENT 14
RESCUENT 14
RESCUENT 14
RESCUENT 1997 (first entry)
RE-1 gene open residing frame.
RW Altainer's disease; RF-1; human; mouse; RF361 gene; antibody; ss. Shon aspiral.
RW Altainer's disease; RF-1; human; mouse; RF361 gene; antibody; ss. Shon aspiral.
RW 2015455-8.
RW 2015456-8.
RW 2015456-8.

Homo sapiens. J09215495-A. 19-AUG-1997. 20-JUN-1996; 181514.

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Tue Nov 17 08:55:26 1998

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0; Mismatches 0; Indels
Matches 17; Conservative
                                   1990 tggccttcttataaaa 2006
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Cp 205 TGGCCTTCTTATAAAA 189

s disease; KP-1; human; mouse; KF361 gene; antibody; ss. Transparent or transp

Location/Qualifiers 1.1641 /*tag= a

19 109215495-A.
PH 109215495-A.
PH 109215495-A.
PH 10921595-A.
PH 

Query Match 15% Score 17; DB 33; Length 2080; Bert Local Similarity 100%, Pred. No. 3:854-00; Indels 0; Gaps Matches 17; Conservative 0; Hismatches 0; Indels 0; Gaps

1573 tggccttcttataaaa 1589 Cp 205 TGGCCTTCTTATAAAA 189

RESULT ID 000 AC 000 DT 27 DE HU KW MU

117 17 Q02069 standard; DNA; 2135 BP. Q02069; 27-sEP-1909 (first entry) 27-sEP-1909 (first entry) Muscarinic acetylcholine m2 receptor gene. Nuscarinic acetylcholine seceptor; drug sorrening; probes; m2; ss.

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Page 39

Key

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Page 40

Location/Qualifiers 120..1517 /*tag= a /product=MAR subtype m2 74

/*tag* b
/label*splice acceptor site
/note*defines the 5' end of /*tag* c
/*tag* c misc_signal polya_site

PET 057241971-A.

PET 067241971-A.

PET 067241-A.

PET 06724

Query Match
1.5%; Score 17; DB 2; Length 2135;
Beet Local Similarity 100.0%; Pred. No. 3.854-00;
Matches 17; Conservative 0; Mismatches 0; Indels

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RESULT 1915; standard; CDNA: 1383 BP.

A T9815; standard; CDNA: 1383 BP.

A 14-DDC-1997 (first entry)
DE Human Chemother receptor 80c CDNA.

IN Chemother setpen, Yimia Infection; ADDS: Alfamation; Arbitities;
IN CHEMOTIC STANDARD AND ALFABETION; ALFABRATION;
IN CHEMOTIC STANDARD AND ALFABRATION; ALFABRATION;
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PR 01-DE-1991, UP-345659,

PR 01-DE-1991, UP-345659,

PR 01-DE-1991, 0505144

PR 01-DE-1991, 0505144

PR 01-DE-1992, 0505144

PR 01-DE-1992, 0505144

PR 01-DE-1992, 0505144

PR 01-DE-1992, 050514

PR 01-DE-

Query Match 154; Score 17; DB 34; Length 1641; Best Local Similarity 100.04; Pred 160: 3854-07; Local Similarity 100.04; Pred Marches 17; Conservative 0; Mismatches 0; Gaps

DEFINITION OF SEARCH CORN. 2058 BP.

DEFINITION SEARCH CORN. 2058 BP.

ENGINEER FOR CHART CORN. 2058 BP.

ENGINE FOR CORN. 2071 (first entry)

ENGINE FOR CORN.

Query Match 1.5%; Score 17; DB 34; Length 2058; Best Local Similarity 100.0%; Pred. No. 3.85e+00;

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Location/Qualifiers 120.1517 /*tag= a /product=MAR subtype m2 74 Homo sapiens. Key cds

misc_signal

/*tag= b
//abel=splice acceptor site
//accefines the 5' end of the exon
/*4.2096
/*tag= c polya_site

PT 057241971-A.

PD 14-0AR-1991.

PD 14-0AR-199 .

PD 14-0AR-1998 .

PD 14-0AR-199 .

PD 14-0AR-1998 .

PD 15-199 .

PD 15 

Query Match 1:5%; Score 17; DB 1; Length 2135; See the set Local Stallarity 100(10); Pred. No. 3.65e-00; Indels 0; Gaps Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 

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127 18 N92069 standard; DNA; 2135 BP. 27-5EP-1999 (first entry) Muscarinic acctylcholine m2 receptor gene. Muscarinic acctylcholine receptor; drug ecreening; probes; m2; ss.

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RESULT. 23

DE GRANCO 2015 STANDARDE DEN, 60 BP.

DE RANDOC 2015 STANDARDE DEN CONTROL S
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AC 196286; Handard; DNN: 367 BP.
AC 196286; Handre entry
DE Cocing sequence for Farz heavy chain.
KM Antibody: complementarity determining
KW #712, actic toxic loneabyroid a natigen; WM thesapy; idiactype region; ss.
                                                      Location/Qualifiers
923..2980
/*tag= a
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1D 763575 standard; DRA; 3791 BP.

1D 763575 standard; DRA; 3791 BP.

1D 763575 standard; DRA; 3791 BP.

1D 763575 standard; DRA;

1D 763575 standard; DRA;

1D 763575 standard; DRA;

1D 763575 standard; DRA;

1D 76370 standard; DRA;

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                                                                                                                                                                                        Query Match 11.5%; Score 17; DB 34; Length 3383; Bert Local Similarity 100; O4; Pred No. 3.659-00; Indels O; Gaps Marches 17; Conservative O; Mismatches O Indels O; Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               RESULT 70099 standard: cDKN, 3423 BP.
M. 1790099 standard: cDKN, 3423 BP.
D. 15-NOV-1997 (first entry)
DE Human KP-1 gene.
R Alzhcherd: disease; KF-1; human; mouse; KF361 gene; antibody; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match 1.5% Score 17, DB 29; Length 3791; Best Local Similarity 100.0%; Pred. No. 3 855+00; Matches 17; Conservative 0; Manaches 0; Indels 0;
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1.5%; Score 17, DB 34;
Best Local Similarity 100.0%; Pred. No. 3.85e+00;
Matches 17; Conservative 0; Mismatches 0
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G protein coupled receptor; human; ss.
Homo asplens.

Costion/Qualifiers
eds
                                                                                                             Location/Qualifiers
55.1113
/*tag= a
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SQ Sequence 3526 BP;
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TS010 standard; CDNA; 1526 BP.

In TS010 standard; CDNA; 1526 BP.

In S010 standard; CDNA; 1526 BP.

In Human FF2 gene clone EX31.1.

Altherimer's disease; KF-1; human; mouse; KF361 gene; antibody; ss.

S010 standard; S021465.A.

PO 19-AG013495.

PR 07-DEC-1995; JP-146507343.

PR 07-DEC-1995; JP-146507343.

PR 100 19-10 SUNITORO SETAKU KK.

PR 10-10 SUNI
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Page 44

Ouery Match
1.4%; Score 16; DB 4; Length 60;
Best Local Similarity 100.0%; Pred. No. 1.86e+01;
Matches 16; Conservative 0; Mismatches 0; Indels

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Testals and staments of the converts them to other organs, partic.

Disclosing Canagen 19 into a less assemblished insect peats of the converts them to other organs, partic.

Michorar pecific are proposed as a soldered from the genome of petunia which are pecifical permits as included from the gene has the features of a transcription factor and by bridar in the gene has the features of a transcription factor and convention of the gene part of the floral market in the petula or other in the determination of part of the floral market into petula or in the determination of floral organ primorals and plays a crucial cole in the determination of a brat of the floral market into petula or at stame primorals. Plants transformed with the gene are less a specifically quemper plants are protected against Franklinials of petulation to petulate the method can be used for other, ep.

Sectionally dand/or appointing plants. The plants are also less part characteristic plants. The plants are also less proceptible to secondary fluid may eligible to sec
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1.4%: Score 16; DB 21; Length 777;
Best Local Similarity 1004, Pred, No. 1.86=01;
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps
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ID T61421 of 145

AC 761431 of 145

AC 761431 of 145

ID 13.800'-13.97 (first entry)

DE Manna cyclidine deaminace CDNA.

FOR Child STATES OF TEXTORILES PECTOR; publ. 2, one marrow; selectable marker; human; ss.

FOR STATES OF TEXTORILES OF TEXTO
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No. 1.868-01; Montobea 16; Conservative 0; Mismatches 0. indels
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scleotide insertion
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N. (1.07U-1998; US-50
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1.41, Score 16, DB 38, Length 367,
Peed No. 1.86e-0, Index 16, Peed No. 1.86e-0, Index 0, Monthe No. 1, Conservative 0, Mismatchee 0, Index 0, Gaps
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1.49, Score 16; DB 33, Length 892;
Best Local Similarity 100.04, Pred. No. 1.864-0;
Mctofea 16; Conservative 0; Mismatches 0; Indels 0; Gaps
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12
13-14500 catandard; DNN: 777 BP.
A 714500 catandard; DNN: 777 BP.
DL Periolillin-resistant pneumococcus gene fragment.
DE Periolillin-resistance; pneumococcus detection; primer: probe; EM specific; ss.
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US-08-887-977-9. rng

RESCULT DID OSS DID OS

Eisen HN, Kranz DM, Saito H, Tonegava S, WPI: 97-033602/03.

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US-08-887-977-9. xng

Page 50

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CC (The alpha subunit is referred to as a "gamma" subunit in the claims and CC pure of the discounce of the specification).

CC pure of the discounce of the specification of Peptides derived from the sequence (see ps]831 and P91814) can be used CC to produce anticholes for derection of anti-recal has or for delivery of CC a bound chemotherspecific option analygans T cells in patients with T cells improbase 1295 BP; 333 A; 311 C; 257 G; 344 T;
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Query Match 1.40; Score 16; DB 1; Length 1295; Best Local Similarity 100 (9) Pred. No. 1.864-01. Indels Netches 16; Conservative (); Mimmaches (); Indels

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ö Gaps ö Query Match 1.40, Score 16; DB 1, Length 1193; Best Local Similarity 100 00, Fred. 780, 1.86+01; Indels Marches 16; Conservative 0; Mismaches 0; Indels

680 tgttcaagagatagac 695

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US-08-887-977-9. IN

Page 52

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Query Match 1.4%; Score 16; DB 18; Length 1654; Bert Local Similarity 100.0%; Pred. Ro. 1.86e+01. Ratches 16; Conservative 0; Mismatches 0; Indels 0

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PR 809727299-A1.

PD 31-700-1997.

PD 31-700-1997.

PR 16-MM-1996; UG-540006.

PR 16-MM-1996; UG-540006.

PR 16-MM-1996; UG-540006.

PR 16-MM-1996; UG-590028.

PR 16-MM-1996; UG-59002 

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PR 00-70222-1.
PR 00-70272-1.
PR 00-ESSULT 31

D 793210 standard, DNs. 1654 BP.

R Ruman introtection DNS. mand/openage Assacration of the control of

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Score 16; DB 28; Length 1286; Pred. No. 1.86e+01; 0; Mismatches 0; Indels 0; Gaps Query Match
Best Local Similarity 100.0%;
Matches 16; Conservative

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127 29 Sendard; CDRA; 1295 BP.
193731 standard; CDRA; 1295 BP.
193737 standard; CDRA; 1295 BP.
12.4MT-1990 (first entry)
11ns-ro clone pHD54/PHD5203 encoding mammalian T lymphocyte receptor
1 hyphocyte receptor; alpha subunit; cytotoxic T cell; lymphoma;
1 hyphocyte receptor; alpha subunit; cytotoxic T cell; lymphoma;
1 km. iocetion/qualifiters
1 co. 1.003 RESULT OF STATE OF ST

/*tag= a /*tag= T cell receptor alpha subunit.

PN US4874845-A. /label= T cell receptor alpha spr US4874845-A. pp. 17-071-1989. Pl. 13-778-1984; S20123. R 13-778-1984; US-620122. R 13-778-1984; US-620122. R 15-778-1984; US-620123. R 18-77731,51. R 18-77731,51. R 18-77731,51. R 18-77731,51. R 18-77731,51. R 18-77731,51. R 18-77731,51.

Manmallar Tipmphocyte receptor sub-unit - with structure derived using colfs there oyetexize Tipmphocyte clone. COR clone derived from functional murine cytetexize Tipmphocyte clone. Discionaure; ifq 4b; 15pp; Egglish. Tip sequence end the transmembrane and from sequence encodes the V.V. and C. regions and the transmembrane and cytophasmic domains of the alpha subunit of the T cell receptor (TRE)

Tue Nov 17 08:55:26 1998

235 TGTTCAAGAGATAGAC 220 g

US-08-887-977-9. ID

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Tue Nov 17 08:55:26 1998
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industrial production of 2,5-d4:hydroxy:pyridine
Thim 2: Page 10-73. 165pt Jogenese
This squares encodes 6:hydroxystochic monoxygenase (6-HRMMO) isolated
from Pseudomonas Increments artsin 785. The DRA And host cells
fransformed with it, are used to produce 6:RRMMO - RRAMD is used for the
fransformed with it, are used to produce 6:RRMMO - RRAMD is used for the
fransformed with it, 53.5 4thydroxypriddine.
fransformed with it, 340 Ai. 382 C; 330 T;
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Query Match imilarity 100,04; Pred. No. 1864-01, Length 1809; Best Locals 16; Conservative 0; Hamatches 0; Indels 0;

proadherent properties for circulating T cells and monocytes. A secreted or soluble form, consisting of the chemokine deadin and the stable region, and the stable deading the stable dead in the stable deading the stable dead in the chemokine man and the stable region of CASC chemokine are the a property of classes, e.g. arthritis. The shoule form may be used as a response. It clearly the specially in conditions of compromised immer separation of proadherence, aspectably in conditions of compromised immer separation of the special or the spe

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Ouery Match
1.4%; Score 16, DB 36; Length 1654;
Best Local Similarity 100.04; Pred. No. 186e+0;
Matches 16; Conservative 0; Mismatches 0; Gaps

D G20053 standard; cDNb; 1836 SP.

D G20053 standard; cDNb; 1836 SP.

E G10coming a control of the control of t

Query Match 1.4%; Score 16; DB 4; Length 1836; Best Local Similarity 100.0%; Pred. No. 1.86e+01;

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US-08-887-977-9. rng

Page 56

Location/Qualifiers 38.2056 /*tag= a Homo sapiens. Key cds

PR EP-184/50-A.

PR 22-780-1390; 101898

PR 22-780-1390; 101898

PR 22-780-1390; 10-101898

PR 22-780-

Ouery Match 1.4%; Score 16; DB 1; Length 2300; Best Local Similarity 100/0%; Pref. Mo. 1.86+4); Matches 18; Conservative 0; Mismatches 0: Indels 0; Gaps

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RESULT 37

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US-08-887-977-9.xmg

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0; Mismatches 0; Indels 0; Gaps Matches 16; Conservative Db 940 atctatgccatcaact 955 |||||||||||||||||||||||||||||||Qy 343 ATCTATGCCATCAACT 358

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Wigolise, 119-WAR-1993 (cretaed.) 119-WAR-1993 (cretaed.) 119-WAR-1999 (first entry) Synthetic human 5-lipoxygemase gene. Synthetic human 5-lipoxygemase gene. GDA, 11poxins, catalyst. Show solution (Ruman) 5-12poxygemase gene. Disaynthesis of Leukotzienes; GDA, 11poxins, catalyst. GDA, 135...1992 (SDA) | March | 15 | Mar

mono septens (numen)
CDS 35.1962
/*tag* a nisc_feature 1.34
/note**attached sequence*

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Query Match 1.44, Score 16, DB 1; Length 2499, Be t Local Similarity 100.04, Pref. Ro. 1.64-01; Matches 16; Conservative 0; Mismatches 0, Indels 0; Gaps 

RESULT 36

AC 005784, standard; DAN: 2500 BP.
AC 005784; 191 (first entry)
DT 04-XM-191 (first entry)
DE Sequence encoding human 5-lipoxygenase.
AN E.coli expression vector; leukotriene A4; lipoxins; da;

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Page 58
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US$187080-A.

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US$-5UNW-1985; US$-517483.

R 00-EDZ-1985; US$-517483.

R 00-EDZ-1985; US$-517483.

R 14-NAW-1985; US$-517483.

R 14-NAW-1989; US$-187403.

PR 14-NAW-1989; US$-187403.

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/note= "printed as X in the specification"
misc_difference 286
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/note= '1925..1927 = termination codon'
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     /*tag* h //note* 'represents the number 7* misc_difference 57
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         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                                                                                   /+tag= k /note- 'represents the letter O' misc_difference 170
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         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Misc_difference 380e . represents the number 3'
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         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22..1305 teg="intron B" 66..1667 66..1667 68..1791 68..1791 20..244 92..2424

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Query Match
14%, Score 16; DB 3; Length 2577;
Bet Local Similarity 100:04, Pred. No. 1:66e-0;
Bet Cheel 16; Conservative 0; Mismatches 0; Indala 0; Gaps

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which has mol. Vt. about 25000 and consists of two polypeptides

(10000 by a disablphide bodd over polypeptide has not. Vt. about

(20000 by a disablphide bodd over mind. A) the other has mol. Vt. about

(20000 mid has a landered by the control of the mitgant. Or protein and its frequence from the mitgant of protein and its frequence from the mitgant of protein confers immunity

(2) the control of the protein confers immunity of the mitgant of the mitgant of the control of the mitgant of the control of the cont

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04-592-1991 (first entry)
04-592-1991 (first entry)
05-quence encoding the Ad antiquen including the signal peptide, 17000
05-quence encoding the Ad antiquen including the signal peptide, 17000
05-cidiosia, pouttry; chicken; antiquen; vaccine; ss.
05-cidiosia, pouttry; chicken; antiquen; vaccine; ss.
05-cidiosia, 05-cidiosia, 04-cidiosia, 05-cidiosia, 05
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      P-PSDE profits.
P-PSDE profits and the profit as the profits and the profits.
The inventors claim a new purified antigente protein (see P50014),
                                                                                       0; Indels 0;
Score 16; DB 6; Length 2577;
Pred. No. 1.86e+01;
0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Parison Control Contro
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match 1.4%;
Best Local Similarity 100.0%;
Matches 16; Conservative
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RESULT 41

NOTORIS STANDARD DNN, 2638 BP.

NOTORIS STANDARD DNN, 2020 STANDARD STANDARD

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RESULT 42

DO 00141 standard; DNA; 2618 BP.

DO 00151 standard; DNA; 2618 SP.

DNA; 2618 SP

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Best Local Similarity 100.0%; Pred. No. 1.86e+01; Matches 16; Conservative 0; Mismatches 0; Indels 0;

Gaps

Query Match Similarity 10.44; Score 16; DB 1; Length 2638; Best Local Similarity 100.04; Pred. No. 1.86e+01.

IIT 43
02654 standard; CDNN; 2686 BP.
026054;
14-DE-19206-1926 (first entry)
14-06-1940complase from Aspergillus orytae.
18-8ke; koji; saccharification; starch; sugar; brewing; fermentation; Aspergillus oryzae. J04148683-A. 21-MAY-1992.

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US-08-887-977-9. Ing

1.4%; Score 16; DB 40; Length 2638;

Query Match

PP 09-027-1930; 369116.

PR (GOCT-1930) THE MERKING KK.

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0; Gaps Query Match 1.44; Score 16; DB 4; Length 2686; Best Local Similarity 100(9; Pred. no. 1.86e/168-0]. Rechose 16; Conservative 0; Mismatches 0; Indels JLT 44
N81657 standard; DNA; 2720 BP.
N81657; STOP-1909 (first entry)
OS-NOV-1909 (first entry)
VIRAL vector; gallinaceous birds; herpesvirus; turkey; Marek's disease; poolity; NTT; ss ...
WHOSE VIVES (FIT; ss ...)
WASSOTORS (FIT; ss ...)

introducing foreign genes into gallinaceuos birds - using viral vector prepd. by inserting gene into virus used as vaccine, against Marek's 22-5EP-1988; 000986. 21-MAR-1988; 000986. 19-MAR-1987; 0S-027724. (SYNE-) Symergen, Inc. Martin S, Bandyopadhyay P; WPI; 88-285542/40. 

Discionure; p. English. This region of the NW pencer was chosen for insertion of foreign genes since it is nonessential for virus growth. The NW is then

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used as a viral vector to introduce the foreign gene, eg. "GOI"
hito poultry; esp. chickens. "640 c; 584 G; 763 T;
Sequence 2720 B;
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Score 16; DB 1; Length 2720; Pred. No. 1.86e+01; 0; Mismatches 0; Indels 0; Ouery Match Best Local Similarity 100.0%; Matches 16; Conservative

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DESCUE. 45
DE 089942 STATE ONN: 2738 BP. DE 089942 STATE ONN: 2738 BP. DE 089942 STATE ONN: 2738 BP. DE 089942 STATE ONN: 2738 PR N09508627-A.

PR N09508627-A.

PR N09508627-A.

PR N0-1981: PR

Query March 1.4%; Score 16; DB 14; Length 2738; Best Local Similarity 100; 04; Pred. No. 1.86+0; Marches 16; Conservative 0; Mismatches 0, Indels 0; Gaps

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Db 1813 gtggtgatcacetttg 1828

US-08-887-977-9. rng

Onery Match
144, Score 16: DB 15; Length 1980;
Best Local Similarity 10: 04, Pred No. 1.86e+01;
Matchès 16; Conservative 0; Mismatchès 0; Indele 0; Gaps

Location/Qualifiers 190..8646 /*tag= a

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PD 24-MOG-1995.

PP 21-PES-1995; GROB36.

PR MINISTER CONTINUED TO THE CONTINUE CONT

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RESULT 48

AC 020662 standard: CDNA; 8937 BP.
DE NIT gene.
NW von Recklisghausen neurofibromatosis disease; autosomal dominant; ss;
NW spene therapy.
RNS SAME SEPERATE SEPERA

W09200387-A. /*tag= a Part W09200387-A. /*tag= a

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Page 68

(RRI) gene. The gene, its product, probes and antibodical to its product on he used in hybridiantion and immunological seasys to screen for the presence of a normal or defective Mil gene or gene product. Functional assays to measure levels of gene function can also be used for disgonis or to monitor treatment. Patient thereapy through supplementation with the normal MI product which can be produced by recombinant techniques is also possible. The addition the disease may be cured on the product of the product of the product of the product of the sequence of \$37 PP; 2595 A; 2015 C; 1880 G; 2447 T;

Query Match 1.44; Score 16; DB 3; Length 8937; Best Local Similarity 100:09; Pred. No. 1.866+01, Methods N; Macches 15; Conservative 0; Mismatches 0; Indels 0;

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/*tag= a /product= neurofibromin NEEGUTE 49

To 165211 standard; CDNR; 10706 BP.

TO 165211 standard; TDNR; DEAD STANDARD;

TO 165211 standard; TDNR; DNR;

TO 165211 standard; TDNR;

TO 165211 standard;

The USS60799-A.

Market State State

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172 GTGGTGATCACCTTTG 187

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003818 stendard; DNA; 3505 BP. 003818 stendard; DNA; 2505 BP. 28-A0G-1990 (first entry) Turkey herpes virus (HVT) Thyamidine kinsse, 9H and flanking

Ven Greetous larymogetrachestils virus, ILTV;
KM Mark's disease virus, MDV; Herpes virus of turkeys;
MARK's disease virus; MDV; Herpes virus of turkeys;
MARK's disease virus.
SARATAS, Vaccine; ribonucleotide reductase; da.
NOSOSOSOS.A.
PD 27-MAR.1990.
PD 27-MAR.1990 00.076.
PR 11-829-1899, 00.076.
PR 11-829-1899, 00.076.
PR 11-829-1899, 00.079.
PR 11-829-1899, 00.079.
PP PSDS 10.0999, MOSSAS AG MOSSAS.
PP PSDS 10.0999, MOSSAS AG MOSSAS.
PP Vocalities effective egalant March's disease virus requires effective effective egalant March's disease virus requires effective effective egalant March's disease virus requires effective eff

viries or curreys 1. Signification of the control o

ö Onery Match 1.44, Score 16, DB 1; Length 3505, Best Local Similarity 100 0s, Perd No. 1.864-01. Marches 16, Conservative 0; Mismatches 0, Indels 0,

RESOUR TO 1988 standard, DRN, 1880 BP.

AT 70388 standard, DRN, 1880 BP.

AT 70388 standard, DRN, 1880 BP.

B. Hanne mcLink ener.

Althorized disease, detection, diagnosis, therapy, ds.

Row seplens.

Bono seplens.

111.12809

FT cds //ttag a

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PA (CSIR) COMMONMEALTH SCI E IND RES ORG.

PI 1910-104.

PI 1911-105-105.

PI 1911-105.

PI 1911-1 \$8888888888888888**2222** 

Query Match
1.4%, 9core 16; DB 17; Length 29544;
Best Local Similarity 10049, Pred. No. 1.86e-01;
Matches 16; Conservative 0; Mismatches 0; Indele 0; Gaps

RESULT 51

10 V2044; standard; DNA; 33100 BP.

NO V2044; standard; DNA; Standard; Standa

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Page 72

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ogne. Somatic mutations of which in the region spanning nuclectides somether with the WII colls, in human tumours, indicates defective mas regulation the WII colls, in human tumours, indicates defective mas requisition. The WII colls do contain a securitie focus whereas a tumour containing as assuring as a traction will require focus whereas a tumour containing a securitie matter of the WII species of the tenents of tractions of the world as a parent; but separantis where the world will seem to be treated by inactivating ras p31, also as GAD p10 is present but separantis where of GAD/GTP exchange would also countexer the loss of MRF or him WII of CAD/GTP exchange would also countexer the loss of MRF or him WII of 1848 or 184

88888888888

Query Match
Ouery Match
Ouery Match
Set Local Similarity 10.0%, Pred. No. 1.86e-01.
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps

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Tue Nov 17 08:55:26 1990

US-08-887-977-9. xmg

Calabretta B. Skoraki T;

Principal Composition comprising two anti-sense oligo:nucleotide(s)

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Principal Composition comprising two anti-sense oligo:nucleotide(s)

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Query Match
Best Local Similarity 100, 01, Pred. No. 126e/01,
Best Local Similarity 100, 01, Pred. No. 126e/01,
Marches 16; Conservative 0; Mismarches 0; Indels 0; Oags

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Why: 91-19321/26.

Protection of specific nucleic acid sequences in blood - by
Thom cells caid ratection and method for releasing genomic DNA
From cells caid ratection and method for releasing genomic DNA
From cells caid to the profession of the cells of the profession of the prizer is one of a pair of primars for amplifying WILV-II

or this prizer is one of a pair of primars for amplifying WILV-II

or all, Proc. Nat. Acad. Soi. (36A, 82:1301-1195 (1965), bases 2989-1128)

or all, Proc. DNA is released from blood cells by exposure to temperatures
assayed using the presence of a particular DNA sequence
con assayed using the POR technique. See 13149-13284 for the 3' primer and
miny II specific probes See also 012147-012364 for the 3' primer and
second for detection of other witness of sequence
of sequence 12 BP, 6 AP, 8 C, 3 G, 4 T;
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AD 053325 standard; DNB, 12 BP.

AD 05325; standard; DNB, 12 BP.

DE sequence of Primar 2 for the mutagenisis of a fragment of the lactace delyadrogenae (LDB) gene and the sequence of Primar; PGB, lactate dehydrogenae;

NA that acid bacterium; as.

A lattic acid bacterium; as.

MO340054.

PR 057004-199; PR00518.

PR 127004-199; PR00518.

PR 27004-199; PR00518.

PR00
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                                                                                                                      Ambal- Model at Previously identified as MORF-20110, the moded protein shows 5.6.1 percentage and dentity to spermidiate/putreseine transport statem permease protein (pots) from E. col1*5316..53120
                  US-08-887-977-9.zng
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//tabel= W0008
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//tabel= Previously identified as WORF-20105, the encoded protein above 46.39 percentage identify to glygerol Ainase (glpk)
//tabel= W0019
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AC 012343 standard; DNA, 21 BP.

AC 012343 standard; DNA, 21 BP.

D 10-8EP-19 (first entry)

DE 5 Primer P1 for detecting WILV-II.

W human T cell lymphotrophic virus; polymerase chain reaction; ss.

SS STANDERS.

PN 1091039018.

PN 1090-13991 S-44330.

PR 06-AR-1990; US-54330.

PR 06-AR-1990; US-54302.

PR 06-AR-1990; US-54302.

PR 06-AR-1990; US-54302.

PI FORCEL! A. Nunn MF:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   //Abbi= MG07
//Abbi= MG07
Mones - Traviously identified as WGSP-20140, the
encoded protein shows 18 05 percentage
identity to oligopeptide transport system
    US-08-887-977-9.xng
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other 8 creat an ShoI site 5' to the start codon. Primer 2 is complementary to an internal part of the coding region, contg. if \$111 site which is present in the gene itself. These 2 primers permit the amplification of a 335 base fragment.

Query Match 1.33; Score 14: DB 9; Length 22; Best Local Smilarity 100:00; Pred. No. 3474-62. Maches 14; Conservative 0; Mamarchies 0; Indels 9;

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U8-08-887-977-9.xbg

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DE 707139 (ACCOUNTY 18 DP.)

ID 707139 (ACCOUNTY 18 DP.)

IN 707416 (ILD 7074) (ACCOUNTY 18 DECEMBER 18 (ACCOUNTY 18 DECEMBER 18 DEC
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13. NOV-1995 (first entry) plasmid prop1 and prop2 pcm primer 2. Bretiacertium flavum NG73) plasmid prop1 and prop2.

Revellectrium flavum NG73) plasmid prop primer 2; ss.

Revellectrium flavum NG73 plasmid prop primer 2; ss.

Revellectrium flavum NG73 plasmid prop primer 3; ss.

Revellectrium flavum NG73 plasmid prop plasmid prop Plasmid weetor atably maintained in coryneform becteria prop plasmid prop plasmid prop 13, and plasmid prop plasmid prop 13, and plasmid prop plasmid prop plasmid prop 13, and plasmid prop plasmid plasmid prop plasmid prop plasmid prop plasmid plasmid prop plasmid plasmid plasmid prop plasmid plasmid prop plasmid plasmid prop plasmid pla
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D 006533 standard; DNA; 38 BP.

DT 00-NAT-1990 (first entry)
DT 00-NAT-1990 (first entry)
DT 00-NAT-1990 (first entry)
DT 00-NAT-1990 (first entry)
NN 00-Lidgen; Oci III; recombinant; post-translational ensyme; human;
NN 00-Lidgen; DC III; recombinant; post-translational ensyme; human;
NN 00-Lidgen; DC III; recombinant; post-translational ensyme; human;
NN 00-Lidgen; DC III; recombinant; post-translational ensyme;
NN 00-Lidgen; DC III; recombinant;
NN 00-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             0; Gaps
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1.3%, Score 14; DB 15; Length 24;
Best Local Similarity 100,08; Pred. 80. 3.178-40.
Matches 14; Conservative 0; Minarches 0; Indels
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DESCRIPTION OF A CONTROL OF A C

Owery Match 134; Score 14; DB 15; Length 24; Best Local Similarity 100 04; Pred No -3.48+402; Managenea 14; Conservative 0; Managenea 0; Indels 0;

RESULT 56 ID Q83217 standard; DNA; 24 BP. AC Q83217;

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Tue Nov 17 08:55:26 1998

US-08-887-977-9.zmg

This primer is used to synthesise the 1' end of the human Col III gene
by PRR amplification. This is used in the construction of recombinant
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Query Match 1.3%; Best Local Similarity 100.0%; Matches 15; Conservative a

Score 15; DB 38; Length 38; Pred. No. 8.37e+01; 0; Mismatches 0; Indels 0;

8

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19-MC-1993, 113261.

19-MC-1992, 1025-110261.

Reynolds ML, Molah PS:
RP: MLah PS: MLah

Query Match 1.3%; Score 15; DB 18; Length 48; Best Local Smilarity 100:09; Pred. Ro. 8:174-04; Indels Matches 15; Conservative 0; Mismatches 0; Indels

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MAY-1994 - AGG-1993; 113261 - AGG-1993; 05-938084. - AGG-1995; 05-938084. - PROGRAM IA ROCHE & CO AG P. - Procide RL. Walsh PS; 1; 94-145673/18.

LT 60
00250 etandard, DNA; 60 SP.
00250;194 (first entry)
012002194 (first entry)
012002195 (first entry)
012002195 (first entry)
012002105 (first entry)
012002105 (first equation and an experience of DITAL locus
conserved sequence; human alpha satellite locus; altochondata; se.

Owary Match 1134; Score 14; DB 11; Length 60; Best Local Similarity 10:04; Pred. No. 3.470-40; Matches 14; Conservative (); Mismatches (); Indels (); Gaps

RESULT 61
1D 178088 standard; DNA; 72 BP.
AC 178088.
DT 31.DPC-1996 (first entry)
Probe 05C3 isolated from fibroblasts.

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US-08-887-977-9. Ing

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Tue Nov 17 08:55:26 1998
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Polymerase chain reaction; PCR: primer; amplify; human; fibroblast; AIDS; mindered differential display; prom. RRM propagation; enessence reali; quiescent cell; dividing cell; enessence related gene; gene coppession; management cell; generated impossion; retinal therapy; liver spot; propertion; propertion; propertion; generated cell; generated the compagation; propertion; generated gene; gene coppession; propertion; generated gene; generated 
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PNA 1027017-10.

PNA 10291777-10.

PNA 10291777-10.

PNA 10291777-10.

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PNA 10291777-10.

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PNA 102917-10.

PNA 10
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ID 062541 standard; DNA: 80 BP.
AC 062541.
DT 0625541 of (first entry)
DT 0625541 observable for repeated sequence of D1781 locus.
DT 0625562 observable for repeated sequence of D1781 locus.
RM Probes detection; repeat sequence; D1781, locus; control region;
RM Probes detection; repeat sequence; bluman alpha satellite locus; mitochondria; ss
SS Symbetic.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Ouery Match 1.3%; Score 14; DB 24; Length 72; Bet Local Similarity 100/04; Pre-6, No. 34/7e+02; Matches 14; Conservative 0; Mismatches 0; Indels 0;
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PR EP-79993-A2.

// Indem="stop codon not given"

PR 0-79993-A2.

PR 0-79993-A

Owery Match 1.3% Score 14: DB 37; Length 75; Bat Local Similarity 100,0%, Pred. No. 3.476-42; Matches 14: Conservative 0; Mismatches 0; Indels Matches 14: Conservative 0; Mismatches 0.

PRESULT 62

TO 704205 standard; CDNA; 75 BP.

TO 77 27-ARF-1988 (first entry)

TO 27-ARF-1988 (first entry)

TO 78-ARF-1988 (f

/*tag= a /note= "stop codon not given"

US-08-887-977-9.xmg

Page 85

Outery Match 1.39; Score 14: DB 11; Length 80; Rest Local Similarity 100:04; Pred No. 3.476+02. Makens 14; Conservative 0; Mismatches 0; Indels 0; Macha a

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PESSUIT 65

TO 74456 standard; oDNA to mRNA; 80 BP.

TO 74456 standard; oDNA to mRNA; 80 BP.

DE Manna gene signature HEMOSOSES.

TO 75-SEP-1996 (first entry)

TO 75-SEP-1996 (first entry)
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US-08-887-977-9.xmg

Tue Nov 17 08:55:26 1998

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Anther specific CDNA or genomic sequences can be used to identify and the fact at the second of the 
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Query Match 1.3%. Score 14: DB 10, Length 95; Best Local Similarity 10:0% Pred 18: 03: 1476+02; Harches 14: Conservative 0; Mismatches 0; Indels 0; Gaps

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04-NNY-1994. 19-NG-1993; 113261. 28-NGC-1993; 103-938084. (HOFF: PROPEMINI LA ROCHE & CO AG P. Reptodde RL, Walleh PS; WPI; 94-145673/18.

wit; 97-13-07/18.
Oligoruncicotide probes for detecting human DNA - having
sequences complementary to a human alpha atallite locus or a
conserved sequence in the mitochondrial genome
Claim 5; Page 18, 75p; Engilsh.
This oligonucleotide probe is complementary to a region in the 2.7
Milohase DI73 locus, a highly repetite sequence. The use of probes complementary to a highly repetited sequence or to a conserved
sequence pravides high detection sensitivity and specificity of sequence protionally labelled with biotin and used in methods to
quantitate the amount of DNA in a sample. See Q6532-51.

Page 87

Tue Nov 17 08:55:26 1998

20 G; 32 T; 18 C; SQ Sequence 100 BP; 30 A;

US-08-887-977-9. rng

Page 88

Saps Outery Match 1.39; Score 14: DB 11; Length 100; Best Local Similarity 100.09; Pred No. 3.476+02; Indels Natches 14; Conservative 0; Mismatches 0; Indels 0;

An explainment of the control of the

Canalisations
Carlo Asingle-stranded DNA (or its complementary strand or the corresp.
A single-stranded DNA) which comprises one of the 7837 'Gs' sequences
cubble-stranded DNA, which comprises one of the 7837 'Gs' sequences
cc given in T1900-176837 and which is able to hypitalise to part of
chuman genomic DNA, cDNA or BNA is claimed. The Gs (Gene Signature)
cc sequences were obtained from 3 'directed cDNA libraries prepared
from various human tissues; synthesis of cDNA was initiated from the
cc from various human tissues; synthesis of cDNA was initiated from the
currenalized corpus syptidies with specific mRNA species, since
the 3'-oriented cDNAs hypitidies with specific mRNAs and
is constructed on as to reflect accurately the relative abundance
cd different mRNAs in the particular training a corpus and services
confidence on an oriented constant of the special corpus
confidence on an oriented constant of the corpus of the corpus of a given GS in a cDNA library can be
comparable of the corpus of RESULT 68 standard; CDNA to mRNA; 110 BP. M. D. 773268; standard; CDNA to mRNA; 110 BP. M. D. 77407-1985 (first entry)
DE REMEM pens signature THYGOSD334.
NM chans; cloning temperature THYGOSD334.
NM chans; cloning; mapping; non-biased libra NM chan; cloning; mapping; non-biased libra NM chan; cloning; mapping; non-biased libra NM chan; 1997-1993; July 1997-1993; July 1997-1993; July 1997-1993; July 1997-1993; July 1997-1994; July 1997-1994;

1.3%; Score 14; DB 20; Length 110;

Ouery Match

double-stranded DRN, which comprises one of the 7837 'GS' sequences of the 7837 'GS' sequences of the 7837 'GS' sequences of the 7847 'GS' sequences of the 7847 'GS' sequences of the 784 'GS' sequences of 187 'GS Query Match 1.3%; Score 15; DB 21; Length 80; Best Local Similarity 100;04; Pred Roc. 9.774c01; 8.78c01; Manatches 15; Conservative 0; Mismatches 0; Indels 0; 8888888888888888 g ů,

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Tue Nov 17 08:55:26 1998
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1D 03922 standard; DNA; 118 BP.

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10 724565 standard, CDNA to mRNA; 115 mp.

11 724565

12 07-07-1996 (first entry)

13 07-07-1996 (first entry)

14 07-07-1996 (first entry)

15 07-07-1996 (first entry)

16 07-07-1996 (first entry)

17 07-07-1996 (first entry)

18 07-07-1996 (first entry)

19 07-07-1996

19 1-80V-1995

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                                                                                                                                                                                                                                                 RESULT 72

M. CSS214 standard: cDMA: 118 BD.

M. CSS224 standard: cDMA: 118 BD.

M. CSS224 standard: cDMA: 118 BD.

D. Runna brain Expressed Sequence Tog EXTODISI.

M. Transactiption product: genetic markers: tagging: in vivo;

KN transactiption mapping: locations: chromosomes: cagging: in vivo;

KN transactiption mapping: locations: chromosomes: cagging: in vivo;

M. WORLDISITION.

PN WORLDISITION.

PN WORLDISITION.

PN T-FEE-1993; U01294.
Best Local Similarity 100.0%; Pred, No. 3.47e+02; Matches 14; Conservative 0; Mismatches 0; Indels 0;
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Ro. 8.37e+01; Matches 15; Conservative 0; Wikimatches 0; Indels Matches 15; Conservative 0; Wikimatches 0; Indels
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PR 12-PTED-1992; US-937195.

PA (USSR ) US DEPT HEALTH & HUMAN SERVICE.

PARTI 95-27805744.

PATI 95-2780574 US-08-887-977-9. ING Tue Nov 17 08:55:26 1998

Score 15; DB 8; Length 118; Pred. No. 8.37e+01; 0; Mismatches 0; Indels 0; Query Match Best Local Similarity 100.0%; Matches 15; Conservative

გ g, PESCUX 73
10 70713: 958 (first entr)
11 70713: 958 (first entr)
12 70713: 958 (first entr)
13 10713: 958 (first entr)
14 10713: 958 (first entr)
15 10713: 958 (first entr)
16 10714: entrocobial pride coding sequence
16 10714: entrocobial pride coding entraria; portantiar politic balance;
17 10714: entraria; gum disease; birn; pneumonia; as.
18 10715: entraria; gum disease; birn; pneumonia; as.
18 10716: entraria; gum disease; birn; pneumonia; as.
18 10716: entraria; gum disease; birn; pneumonia; as.
18 10716: entraria; gum disease; petide from mammalian lingual epithelium - for price in gum disease; cystic fibrosia; burns, etc.
18 10716: entraria; 370p; English.

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US-08-887-977-9. rng

Tue Hov 17 08:55:26 1998

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RESOUR TO 14155 standard; DNA, 117 BD.

DOUGHES, 1939 (first entry)

DOWN tream sequence of microstallite from clone 751884

RM PORT Stale(1501) Fribate of Entry Detection; se.

DOWN tream sequence of microstallite from clone 751884

RM PORT STALE(1501) Fribate of Microstallite from clone 751884

NO 6-NGC-192.

PR 15-73M-1939; 10544134

PR 15-73M-1939; 105-64314

PR 15-73M-1939; 105-64314

PR 15-73M-1939; 105-64314

PR (15-73M-1939; 105-64314

PR

Query Match
1.3%; Score 14; DB 5; Length 117;
Best Local Smilarity 100.0%; Pred. No. 3.478+02;
Matches 14; Conservative 0; Mismatches 0; Indels

RESULT 71

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US-08-887-977-9. rng

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```
Length 130;
Score 14; DB 11; Length 130;
Pred. No. 3.47e+02;
0; Mismatches 0; Indels
Query Match
Best Local Similarity 100.0%;
Matches 14; Conservative
```

PR W0553287-A1.

PR W0553287-A1.

10-NOV-1995.

10-NOV-199 NESULZ 75

D 70714.

D 707

Tue Nov 17 08:55:26 1998

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US-08-887-977-9.rng

US-08-887-977-9. Emg

031131 standard; DNA; 152 BP.
031113 standard; DNA; 152 BP.
031113 124M7-1993 (first entry)
1CAM 9 gene fragment 62.
1CAM

Location/Qualifiers 2..151 /*tag= a

Desty Match 1.3%; Score 15; DS 18; Length 133; Seat Local Similarity 100:0%; Pred: No. 9579+09; Manage 15; Conservative 0; Managethes 0; Indels 0;

27 C; 38 G; 28 T;

SQ Sequence 133 BP; 40 A;

Tue Nov 17 08:55:26 1998

Query Match 13%; Score 14; DB 5; Length 164; Best Local Similarity 100:09; Pred. Ro. 3.47e-02; Matches 14; Conservative 0; Mismatches 0; Indels Matches 14; Conservative 0; Mismatches 0; Indels

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RESGUZ 78 ID Q97385 standard; DRA; 167 BP. AC Q97385. DT Q1-APR-1996 (first entry)

Page 93

US-08-887-977-9. Ing

Tue Nov 17 08:55:26 1998

mis acquence represents the CDNs encoding bories epithalial lingual unitationability parties (LAP). LAP is a member of the bacadefaming group of the defenable lampy of periods a member of the defenable matinistrability activity sequence forms positive and Gram negative bacterist, and fungal happognist LAP is present at Low leaves in mammalian epithalia, with happogness. LAP is present at Low leaves in septemblar of insight injury/infection. This sequence can be used in a method, additivitying injury/infection. This sequence can be used in a method of identifying nitured in the presence of a test shabetance. The leaves of LAP mann activities in presence of a test shabetance is an up-regulator. The is used to treat microbial infections of the epithalium (or of those that stand to despat issues) e.g. in Laminodeficiant active (ALDS), opsitic forms of the epithalium (or of those that forms of premium of premium) and premium of the spatic defence of the epithalium (or of LADS), opsitic forms of the principle of the spatic active in the control of the control o

888888888888888

Query Match
1.34; Score 15; DB 18; Length 127;
Bert Local Similarity 100.04; Pred 18 80: 8.75+01;
Marchea 15; Conservative 0; Mismatchea 0, Gaps

Db 90 ctgtctcggagccca 104 |||||||||||||||||||||||||||||||Qy 581 CTGTCTCGGAGCCCA 595

Query Match 1.3%; Score 14; DB 6; Length 152; Best Local Similarity 100.0%; Pred. No. 3.47e-02; Matches 14; Conservative 0; Mismatches 0; Indels

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Ouery Match 1.3%; Score 14; DB 1; Length 171; Best Local Stallarity 100 (%; Pred Ro. 1474-02) Matches 14; Conservative 0; Mimmatches 0; Indels 0;

US-08-887-977-9. zng

wp; 87-280952.
DN probe Cassaging individual genetic identity · obtained from Repared in the probe Cassaging individual genetic identity · obtained from Repared in the Repared Sel; Repare

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RESULT 80

No. 171329 stundard; DNA; 171 BP.

No. 171329 stundard; DNA; 171 BP.

The object of the coll of the col
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PR. 10-17-1907. 10-17-1861.

PR. 10-17-1907. 10-17-1861.

PR. 10-17-1907. 10-17-1861.

PR. 11-17-1907. 10-17-1861.

PR. 11-17-1807. 10-17-1801.

PR. 11-1807. 11-1807.

PR. 11-1807. 10-17-1801.

PR. 11-1807. 11-1807.

PR. 11-1807.

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PR. 11-1807.

PR. 11-1807.

PR. 11-1807.

PR
numan type I steroid 5-alpha reductase CDNA recombinant fragment.
Steroid 5-alpha reductase; sexual development; differentiation;
probe; recombinant; linkibit; prostatic hyperplasia; acne; hirsuitam;
ants pattern baldness indometriosis; prostate cancer; testosterone;
dippdroxytestosterone; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ### STORY 78

Will St. standard: DNN: 171 BP.

Will St. standard: DNN: 171 BP.

Will St. standard: DNN: 171 BP.

Will St. standard: C. standard: C.
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Tue Nov 17 08:55:26 1998

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US-08-887-977-9. ING
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Gaps

Query Match 1.3%; Score 14; DB 1; Length 171; Best Local S. Affeto; Watches 14; Conservative 0; Mamatches 0; Indels 0;

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PR 005214772.A1.

PR 11-007-1994; 017326.

PR (MRX)/ MAXEDRAK K.

PR (MRX)/ MAXEDRAK K.

PR (MRX)/ MAXEDRAK K.

PR (MRX)/ MAXEDRAK K.

PR (MAXEDRAK K.

PR (MAXED
28-UUN-1996 (first entry)

Buman gene signature, messenger RRA, mRMs, relative abundance: frequency;

Buman gene signature, messenger RRA, mRMs, relative abundance: frequency;

Buman; coloning, mapping; non-bissed library; diagnosis; detection;

Buman; coloning, mapping; non-bissed library; diagnosis; detection;

Buman signature, mapping; non-bissed library; diagnosis; detection;

Buman signature, mapping; non-bissed library; diagnosis; detection;
```

Query Match 1.34; Score 14: DB 18; Length 179; Rest Local Similarity 100:04; Pred 18c. 3.478-05; Indels Reches 14; Conservative 0; Mismaches 0; Indels

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Saps

Score 14; DB 22; Length 175; Pred. No. 3.47e+02; 0; Mismatches 1; Indels 0;

RESULT 83
D 061339 standard; DNN; 216 BP.
D 061339 (first entry)
DT 16-WAR-1394 (first entry)
DT MAR-1394 (first entry)
NW Ruman brain Expressed Sequence Tag EST01339.
NW Gene transcription product; genetic markers; tagging; in vivo;

Page 97

US-08-887-977-9. xng

Ouery Match 13%; Score 14; DB 17; Length 167; Best Local Similarity 100.0%; Pred. No. 3.476-02; Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps

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RESQLATION OF THE PROPERTY OF

Tue Nov 17 08:55:26 1998

U8-08-887-977-9.ID

RESULT 81

TO 25900 standard; CDNA to MENA, 175 BP.

MA TO 25900 standard; CDNA to MENA, 175 BP.

MA CONTROLLER MINGORIAN STANDARD STANDAR

Query Match
Best Local Similarity '93.34;
Matches 14; Conservative 윱

RESULT 82 ID T19669 standard; cDNA to mRNA; 179 BP AC T19669;

UB-08-887-977-9. rng

Page 101

US-08-887-977-9.zmg

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for diagnosis of abnormal cell function, by preparing cDNA that reflects relative abundance of corresp. mRNA in specific human
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The figures of the property of 888888888888888888888888888888

REAL STREAM CONTROL MARPHING; Horations; chromosomes; chromosomal; ss. PS 409316787.

PR 12-FEE-1995; 001772.

PR 12-FEE-

SOCOCOCOCO SPERING SPE

types.

Query Match | 1.3%; Score 14; DB 20; Length 230; Best Local 2, 1474-02; Pred. Ro. 2, 1474-03; Pred. Ro. 2, 147

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Ouery Match
13%, Score 14; DB 8; Length 216;
Best Local Similarity 10%, Pred. No. 3.47-6-0;
Matches 14; Conservative 0; Mismatches 0; Gaps

g

INSTANT 765701 standard; DNA; 236 BP.

765701 standard; DNA; 236 BP.

765701 standard; DNA; 236 BP.

775701 standard; DNA; 236 BP.

PO TO-TOW-1997 (first entry)

PO TO-TOW-1997 (first entry)

PO TOW-1994 section for close fiding in the first entry)

NA PCE; POLYMerase chair resection; paternity; maternity; human; padigree;

NA PCE; POLYMERASE (All TEACH Of TOW POLYMERASE)

NA PCE; POLYMERASE (All TEACH OF TOW POLYMERASE)

NA PCE; POLYMERASE (All TEACH OF TOW POLYMERASE)

PROPERTY (MARS.) MARS.) MARS.)

A TATORS standard; cDNA to mRNA; 230 BP.

A TATORS standard; cDNA to mRNA; 230 BP.

D G-SEP-1996 (first enry)

D G-SEP-1996 (first enry)

D Haman gene signature HRNSs0603;

KW deman gene signature HRNSs0603;

KW deman; clouling mapping; non-biased library; diagnosis; detection;

KW deman; clouling mapping; non-biased library; diagnosis; detection;

KW deman; clouling mapping; non-biased library; diagnosis; detection;

KW cell tryping; abnormal cell function; ss.

PN HNSSN042-A.

PN HNSSN04

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The Column 1, column 47-49; 1869; Engiths of polymorphic repeat sequences.

The inventor the sequence (d-4A), (d-4T) which can be used as genetic control the sequence (d-4A), (d-4T) which can be used a genetic control the sequence (d-4A), (d-4T) which can be used to detect these controls are specially for use in e.g patentity or maternity tracting.

The conservation analysis such as linkage analysis of genetic disease, compensite analysis of genetic disease, compensite analysis of genetic disease, controls analysis and polymorphic repeat sequences of count at the local given in the DE link. The repeats sequences were isolated by hypridisation of chromosome-specific plays libraries with calculated for the control of chromosome-specific plays libraries with calculated from the control of chromosome-specific plays libraries with calculated from the control of chromosome-specific plays libraries with calculated from the control of chromosome specific plays libraries with calculated from the control of the control of chromosome specific plays libraries with calculated from the control of chromosome specific plays libraries with calculated from the control of chromosome specific plays and control of chromosome specific plays libraries with calculated from the control of chromosome specific plays and control of chromosome specific plays and control of chromosome specific plays of control of chromosome specific plays and control of chromosome specific plays of control of chromosome specific plays of control of chromosome specific plays #88888888888888

DESCUIT. 86

Original Section of the Colon o

US-08-887-977-9. rng

Query Match 1.3%; Score 14, DB 29; Length 236; Best Local Similarity 100.0%; Pref. Re. 3478+05; Affect); Marches 14; Conservative 0; Mismatches 0; Indels 0;

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Tue Nov 17 08:55:26 1998

US-08-887-977-9. rng

from various human tissues; synthesis of CDNs was initiated from the 17-rad of RENA by using poly(71 set the sole primers Sister the 31-rad untramalaced sequences poly(71 set the sole primers Sister the 31-rad untramalaced sequences by the properties and the state of 12-rad constructed colors to refer to coursely the rad the substance of different mixes in the particular tissue from which it was desired. The appearance frequencials related from which it was desired determined (sep uning primers and probes derived from the of sequences) as means of disgenesing abnormal cell function or for recognishing different cell types (4.16; 94.7;

88888888888

0; Gaps 0; Query Match 1.3%; Score 14; DB 19; Length 249; Best Local Similarity 100.0%; Pred. No. 3.476-46; Indels Matches 14; Conservative 0; Mismatches 0; Indels

NESSULT 87

10 727381 strandard; CDNA to MRNA; 257 BP.

21 2180-1996 (first entry)

22 24.00-1996 (first entry)

23 24.00-1996 (first entry)

24 24.00-1996 (first entry)

25 24.00-1996 (first entry)

26 80-1996 (first entry)

27 80-1996 (first entry)

28 80-1996 (first entry)

29 80-1996 (first entry)

20 80-1996 (first entry)

20 80-1996 (first entry)

20 80-1996 (first entry)

21 80-1996 (first entry)

22 80-1996 (first entry)

23 80-1996 (first entry)

24 80-1996 (first entry)

25 80-1996 (first entry)

26 80-1996 (first entry)

27 80-1996 (first entry)

28 80-1996 (first entry)

29 80-1996 (first entry)

29 80-1996 (first entry)

29 80-1996 (first entry)

29 90-1996 (first entry)

20 90-1996 (first entry)

US-08-887-977-9. rng

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Tue Nov 17 08:55:26 1998
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Page 106

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219 ttatcontttgatgt 233
8 B
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standard; cDNA to mRNA; 288 BP.

all the 3'-oriented cDNNs hybridise with specific mRNNs. Each library or is constructed so as to reflect eccurately the relative abundance of different mRNs in the particular itseue from which it was derived. Of different mRNs in the particular itseue from the SDN library can be constructed from the GNS particular itseue from the GNS carpences as means of disquessing abnormal cell function or for recognishing different cell types.

Query Match 1.35, Score 14; DB 20; Length 257, Best Local Similarity 100.04; Pred. Ro. 3.474-02; Matches 14; Conservative 0; Mismatches 0; Indels 0;

e g

AC 20288;

DE Mana gene signature RWR0501803.

Ruman geneture RWR0501803.

Ruman gen

PESSULE 88

D G55987 standard; CDNA; 260 BP.

R GMAN, 1994 (first entry)

E GMAN, 1994 (first entry)

E GMAN, 1994 (first entry)

E GMAN Explosed dequence Tog B2701966.

R GMAN Explosed dequence Tog B2701966.

R GMAN Explosed together together together tagging; in vivo;

R GMAN 1995 (1995)

P 12-FB2-1999; US-2019.

P 12-FB2-1999; US-2019.

P 12-FB2-1999; US-2019.

R GGSH 1995 US-2019.

R GGSH 1995 US-2019.

R MAMAN MONEROR RY. Venter CJ;

R MAMAN MONEROR RY. Venter CJ;

R MAN P 19-7727826/34 etides and corresp. sequences - used as minimal months of the months of the sequence of the months of the sequence of the population of the sequence of

Length 260; Ouery Match 1.3%; Score 14; DB 8; I Best Local Similarity 93.3%; Pred. No. 3.47e+02; Matches 14; Conservative 0; Mismatches 1

1; Indels

Gaps 0; ö

Tue Nov 17 08:55:26 1998

US-08-887-977-9.rng

499 CIGACAGCCCCCAC 486

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No. 72:5602;

Definition of the control of control of control of the control of control of the control of control of the control of control of control of the control of control DESCUE AND ACTURED TO MERRY, 193 BP. DE 712503 standard; CDNK to MERRY, 193 BP. DE 712503 standard; CDNK to MERRY, 193 BP. DE 712503 standard; CDNK to MERRY Tela No. PERSON STANDARD; TELA NO. PERSON STANDARD; TELA NO. PERSON STANDARD; TELA NO. PERSON STANDARD; TELA NO. 1939; NO. 1939;

Query Match 1.13: Score 14: DB 20; Length 193; Best Local Similarity 100:04; Pred. No. 3478+02; A76+02; Matches 14; Conservative 0; Manatches 0; Indels 0;

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Query Match 1.3%; Score 14; DB 19; Length 288; Best Local Similarity 100.0%; Pred. Ro. 3.47+04. Matches 14; Conservative 0; Minmatches 0; Indels

163 ctgacagcccccac 176

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standard; DNA; 293 BP.

AC 11-NOV-1997 (first entry)
DE Potaco starch binching engrae gene intron 8 antisense sequence.
Starch bianching engrae; SBE; pocaco; genetic engineering;
Katangenic plant; starch production; modification; se.
Solanum tubersoum.

NW 90704112-A2.

0-72E-1996; 200-01443.

MANI- 1989; 68-01443.

NA (ANI-) PARISCO A3.

1-UUL-1996; 200-01443.

NA (ANI-) PARISCO A3.

14-UUL-1996; 200-01443.

NA (ANI-) PARISCO A3.

15-UUL-1996; 200-01443.

NA (ANI-) PARISCO A3.

16-UL-1996; 200-01443.

NA (Affecting engractic activity in plant by expressing anti-sense intron sequence - esp. for inhibiting starch banching engrae the program of the post of the post of the program of the post of the post of the program of the post 

Query Match 1.3%; Score 14; DB 33; Best Local Similarity 100.0%; Pred. No. 3.47e+6 Matches 14; Conservative 0; Mismatches

RESULT, 92

10.179773 standard; DNA; 293 BP.

10.179779 (first entry)

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Tue Nov 17 08:55:26 1998
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P-PSDB: W30191.
Polynuclectide encoding monocyte chemotactic protein-5 - useful in treatment of e.g. inflammation, atherosclerosis, anglogenesis and
  $3888888888888888888888888888888888
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rimoniza i. 19. Intermediate the control of control of the control

Query Match 1.3%; Score 14; DB 39; Length 197; Best Local Smilarity 100:09; Pred. No. 3.474-0.7 Matches 14; Conservative 0; Minmatches 0; Indels 유

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RESULT 94

ID 717050 standard; CDR9, 297 BP.

D7 77050 standard; CDR9, 297 BP.

D8 77050-1996 (first entry)
D8 80 February (first entry)
D9 80 February (first entry)
D9 80 February (first entry)
D9 90 February (first en

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Addams 4. Addresso R. Applebnum E. Li H. Li Y. Liam SH. Addams A. Addresso R. Applebnum E. Li H. Li Y. Liam SH. Addams A. Addresso R. Applebnum E. Li H. Li Y. Liam SH. Addams A. Addresso R. Applebnum E. Li H. Li Y. Liam SH. Addams A. Addresso R. Applebnum E. Li H. Li Y. Liam SH. Addams A. Addresso R. Station S. P. P. Processo A. useful procedured to a serious and disposal to treat tumours, autoimmune disease, infection, procedured encodes human chemokine betal O acts and the forest sequence encodes human chemokine betal O acts and the forest and the forest of the forest
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O; Gaps Query Match 1.3%; Score 14; DB 37; Length 297; Best Local Similarity 100.08; Pred. No. 3.47+0.1 Metables 14; Conservative 0; Mismatches 0; Indela

a 8

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RESULT 56
TO 31474 standard; CDNA to mRNA; 307 BP.

NO 731474 standard; CDNA to mRNA; 307 BP.

NO 731474 standard; CDNA to mRNA; 307 BP.

DE Rham gene signature EDNGS05313

NO CONTROL : messenger NNA; relative abundance; frequency; NN cell : NO CONTROL : messenger NNA; man NNA; relative abundance; frequency; NN cell : NO CONTROL : mpping, m
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109

Page

14-JUL-1995; GB-014437. (DANI-) DANISCO AS.

Tue Nov 17 08:55:26 1998

Prolies P. (1925)./12. Activity in plant by expressing sense intron Prafecting enter entrone control of the plant by expressing sense intron Prafecting entrol of the plant by anothing entrol of the plant of the plant by the pl 

Query Match
1.34; Score 14; DB 33; Length 293;
Best Local Similarity 100, 04; Pred. No. 3.470-02;
Matches 14, Conservative 0; Mismatches 0; Indels 0; Gaps å გ

RESULT.

D. 193080. et andardi DNA: 297 BP.

D. 201980. et andardi DNA: 297 BP.

D. 21-MAY-1998 (fifter entry)

D. MONOSTRE CHARGE ST.

N. MONOSTRE ST.

N. M

Tue Nov 17 08:55:26 1998

US-06-887-977-9.Eng

PR 23-ADG-1994; WO-009484.

PR (25E-1994; WO-009584.

A (ADGA) (A 

Query Match 1:3%; Score 14; DB 21; Length 297;
Beet Local Similarity 100:3; Pred. No. 3.479-402;
Matches 14; Conservative 0; Mismatches 0, Indels 0; Gaps

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RESULT 95

FIGURE 1998

FIGURE

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markers for human genes transcribed in-vivo, facilitate tagging of acts human genes transcribed in-vivo, facilitate tagging of acts human brain cDNA. The Exemple 4 Progresses groups and selected from a human brain cDNA. The Expresses Groups are also acts of ESTs which can be used as markers for human genes transcribed in vivo. They construct of the progresses of the pro 88888888888

Query Match 1.3%; Score 14; DB 8; Length 311; Best Local Similarity 100; 9; Pred. 8.0. 3.47-92; Index Pred. 8.0. Nimaxches 9. Index Pred. 9.0. Missacches 9.0. 9.0. Miss

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M. O. 113:829-1934 (filtest entry)
DE Human genome traggenet (Prifetred).
DE Human genome traggenet (Prifetred).
DE Human genome traggenet (Prifetred).
M. detection bemology; human; adrenal tissue; da.
Decontrol bemology; human; adrenal tissue; da.
DE M. DECONTROL DESCOURCE.
PESSUT. 99

10. 077289 standard: DNN: 327 BP. 077289

10. 077289

10. 077289 standard: DNN: 327 BP. 077289

10. 072281 placemer (Gredered Frederick Frederick)

10. 072281 placemer (Grederick Frederick)

10. 072381 placemer (Grederick Frederick Frederick
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RESULT 100

AC 46346 standard; CDXN, 330 BP.
AC 46346 standard; CDXN, 330 BP.
BC 27-5EP-1993 (first entry)
DE Sequence encoding.
BC 37-5EP-1993 (first entry)
DE SEQUENCE Entry COUNTY.
BC 37-5EP-1993 (first entry)
DE SEQUENCE Entry COUNTY.
TO GAS (FIRST ENTRY EN

PR W09111237-A.
PR W09111237-A.
PR W09111237-A.
PR W09111237-A.
PR W09111237-A.
PR WOFE-1991: GD-02599.
PR WELLOUE POORD DIED.
PR GENERAL PRILLOGE POORD INT.
PR GENERAL SA, MALGARDE H. WALABDE H.
PR GENERAL SA, WALABDE H. WALABDE H. WALABDE H. WALABDE POORD FOR THE SAME H. WALABDE H. WALDE H. WALDE H. WALABDE H. WALABDE H. WALABDE H. WALABDE H. WALABDE H. WALDE H. WALABDE H. WALDE H. WALABDE H. WALDE H. WALDE H. WALDE H. WALDE H. WALDE H. WALDE H. WAL 

Page 113

WATS/) MATSUBARA K.

PR. (MATS/) MATSUBARA K.

MATSUBARA TO THE STATE OF THE STATE

Owery Match
1.3%; Score 14; DB 20; Length 307;
Best Local Similarity 100:08; Pred. No. 3476+02;
Makethes 14; Conservative 0; Mismatches 0; Indels 0;

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HESULT 19, Tatandard; DNA; 311 BP.

10 061123,

11 061121 Expensed Sequence Tay EST01156.

11 10 061121 Expressed Sequence Tay EST01156.

12 16-1067 Expressed Sequence Tay EST01156.

13 16-1067 Expressed Sequence Tay EST01156.

14 16-1067 Expressed Sequence Tay EST01156.

15 16-1067 Expressed Sequence Tay EST01156.

16 16-1067 Expressed Sequence Tay EST01156.

18 16-1067 Expressed Taylor.

19 16-1067 Expressed Taylor.

10 16-1067 Expressed Taylor.

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Tue Nov 17 08:55:26 1998

US-08-887-977-9. rng Length 327;

> Query Match Best Local Similarity 100.0%; Matches 14; Conservative

PERSON.

17,652 standard; CDNA to MRNA; 330 BP.

10. 21622; Standard; CDNA to MRNA; 330 BP.

10. 21622; Standard; CDNA to MRNA; SAD BP.

10. 21622; Standard; Mandard; MRNA; Felative abundance; frequency; Mr. Munan; clouding; mapping; non-biased likrary; diagnosis; detection; Mr. Munan; clouding; mapping; non-biased likrary; diagnosis; detection; Mr. Manan; clouding; mapping; non-biased likrary; diagnosis; detection; Mr. Miscola, 2013.

10. 707-1939; DO1316.

11. NOV-1939; DO1316.

12. NOV-1939; DO1316.

13. NOV-1939; DO1316.

14. Miscola, Mrscola, Mrscola

Delery Match 1.34: Score 14: DB 21; Length 330; Best Local Similarity 93.34; Pred No. 3478407; Affects Matches 14: Conservative 0; Mismatches 1; Indels 0;

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/*tag" a /*tag" b /*tag" b /*tag" b /*tag" c /*tag" c /*tag" c /*tag" c /*tag" c /*tag" d /*t ggo

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US-08-887-977-9. IDS

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Tue Nov 17 08:55:26 1998
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NESCUT. 103
NOTICE standard: DNA; 337 BP.
NOTICE standard: DNA; 337 BP.
DE Human genome fragment (forfetered).
Enter spice fragment (forfetered).
Note feterion; hemology; human; adrenal tissue; da.
Notice fragment (forfetered).
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Matches 14; Conservative 0; Mismatches 0; Indels 0;
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Query Match 1.3%; Score 14; DB 7; Length 330; Best Local Similarity 100.0%; Pred. No. 3.474-02; Matches 14; Conservative 0; Mismatches 0; Indels 

RESULT 101

Deficient and and colon to make, 335 pp.

Deficient and colon of titles and colon of the colon of

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Owery Match 1319; Score 14; DB 11; Length 337; Bett Local Similarity 10:09; Pred. No. 3.47-60; Indels 0; Gaps Marches 14; Conservative 0; Minmatches 0; Indels 0; Gaps

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RESULT 103
TO TAGATS tandard; CDRA to mRNA; 340 BP.
TO TAGATS (first entry)
DE Mann gene edgesture ERMSSOR917:
TO Gene asgenture mresenger ERM, mRNA; relative abundance; frequency;
RF Gene asgenture; mesenger ERM.
TO TAM

Query Match 1.3%; Score 14; DB 19; Length 335; Best Local Similarity 100.0%; Pred. No. 3.47e+02;

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THE CELL LYPIAG; abnormal cell function; ss.

SERVING STATUS.

SERVING STATUS.

PR. 11-1807-1984: 101916.

PR. 11-1807-1984: 1019

Query Match
1.39; Score 14; DB 22; Length 340;
Best Local Similarity 100.09; Pred. No. 3.77e+02;
Mamatches 14; Conservative 0; Mismatches 0; Indels 0;

g

RESULT 104

AC 001044 exendard, DNA: 340 BP.
AC 01044; EVIL entry)
DE REVI genotype GII NS5 region sequence na5qh6.
BY Hepatitis C virus; non-A, non-B hepatitis; NS5 region; se.
OS Symbtetic.
PROSESSY. 004036.

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PR 08-NAY-1991; 05-697326.

PA (CHIR ) CHIRO (CORP.

DR 197-1991; 05-697326.

DR 197-1991; 05-69

and sure Match 1.34, Score 15, DB 5, Length 340;
Beat Local Similarity 100, 04, Pred. No. 8.174-01;
Matches 15, Conservative 0; Hismatches 0, Indels 0; Gaps

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Db 285 ttgtcgttatctgcg 299 (pp. 1076 ftcfcgftAfctgcg 1062

| RESULT 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105

US-08-887-977-9. zng

US-08-887-977-9.rng

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RESULT 107

TO GOORST standard; CDNA; 342 BP.

TO GOORST standard; CDNA; 342 BP.

GOORST standard; CDNA; 342 BP.

TO GOORST standard; CDNA; 342 BP.

TO GOORST standard; CDNA; CONTROL STANDARD; In vivo;

THE CARM STANDARD STANDAR
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             RESULT 109

TOTALS standard, CDRA, 150 BP. AC 170135; A
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Tue Nov 17 08:55:26 1998
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For the patities of virus poly; nucleic acid unique to unidentified sub:type or used to develop probes and primers for new sub:types and vaccines for the requirement infection.

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TO ATASTS standard; CDRA to mRNA; 340 BP.

TO ATASTS standard; CDRA to mRNA; 340 BP.

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134, Score 15, DB 25, Length 340;
Best Local Similarity 100.04, Fred. Bo. 8.79+40;
Matches 15, Conservative 0; Manatches 0); Indels 0; Gaps
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To 789400 standard; CDNA, 350 BP.

To 789401

To 78940
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1.34; Score 14; DB 8; Length 342;
Best Local Similarity 100.04; Precd. No. 3478+02;
Matches 14; Conservative 0; Mismatches 0; Indels 0;
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reflects relative abundance of corresp. mRNA in specific human tissues
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Claim 1: Page 1639; 2245pp; Japanese.

Claim 1: Page 1639; 2245pp; Japanese.

Could restranded DNA, Purk organizes one of the 7837 'GS' sequences of the minostance DNA, Purk organizes one of the 7837 'GS' sequences of the minostance DNA, Purk organizes one of the 7837 'GS' sequences organizes one of the 7837 'GS' sequences organizes one organizes one organizes organizes organizes organizes were obtained from 3' distrected DNA librarizes propered from a 'distrected DNA librarizes propered from a 'distrected DNA librarizes propered from a 'distrected DNA librarizes organizes a construction a business of minost the organized sequence is unique to a particular minos species almost a librarize processor organization of the superamental of sequence only a phytidise with specific minos a fact librarize organization of the superamental frequence organization of the superamental frequence organization of determined (see using prizes and probes derived from the GS or recognized (see using prizes and probes derived from the GS or recognized different busing prizes and probes derived from the GS or recognized different Claim or for Sequence and OBS; 1995: 109 7; 1997; 109 7;

Query Match 1.31, Score 14, DB 21, Length 340, Best Local Smilarity 100.04, Pered Ro. 3.476+02, Marches 14, Conservative 0, Manacches 0, Indels 0, Marches 14, Conservative 0, 100 per 100 per

RESULT DATA NAME OF STREET OF STREET

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Page 124

CC expression product may also be used to treat a metastatic disorder. SQ Sequence 350 BP; 114 A; 80 C; 74 G; 82 T;

ö Gaps Score 15; DB 35; Length 350; Pred. No. 8.37e+01; 0; Mismatches 0; Indels 0; Query Match Best Local Similarity 100.0%; Matches 15; Conservative

26-UNW-1996 (first entry)
Lingual abt indig sequence settle state of the settle settle

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Page 126

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Tue Nov 17 08:55:26 1998

Page 125

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0; Indels 0;

Length 354

Query Match 1.1%; Score 15; DB 10; Seat Local Similarity 100.0%; Pred. No..8.37e+01; Matches 15; Conservative 0; Mismatches 0

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response to epithelial injury/infection. This sequence can be used in method, which of identifying endogenous up-regulations of LAP. In this amenda, pointain at calls are cultured in the presence of a test substance. The seas of LAM STRN are the measured or determing whether the substance is the "regulator LAM" is used to treat alcrobial infections of the pithelium (or of those that extend to deeptr inserse) e.g. in immunofficient extrem (AIDS), cystif fibrosis, gum disease, wounds, sequence 350 Bp. 120 Ap. 72 C; 85 G; 73 T; 888888888

Query Match
1.3%: Score 15; DB 18; Length 350;
Bert Local Similarity 100.0%; Pred No. 8.378-03; Indels 0; Gaps
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps

DESTUZION SENDERACIONA TO MRNA: 350 BP.

ID 723800 senderaci CDNA to MRNA: 350 BP.

DE 72470-1396 (first entry)

Roman gene adgmature HomeScots.

PR 10-100-1399; JO1916.

PR 11-100-1399; JO1916.

PR 11-100-130; JO

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PD 20-7NA-1934.
PD 20-7NA-1934.
PD 20-7NA-1935.
PD 20-7N NESULT 110

Cossidar at andard; DNA; 334 BP.

Cossidar at andard; DNA; 334 BP.

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Location/Qualifiers
13.354
/*tag= a //ore= "encodes amino acids 134-249 of R34549"

PR W03108469-.

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ö Mismatches 0; ö Matches 14; Conservative

RESULT 112

DE GIUSS standard: DNA: 359 BP.

DE GIUSS standard: DNA: 359 BP.

DE MINOS SCIL. Collium channel: 38.

SCIC. collium channel: 38.

SECT. collium channel: 38.

FF Mey SCIC. collium channel: 38.

FF Mey Mo3108469-A.

DE JAPR-1937: 1003109.

PR JOCT-1937: 100-78112.

PR JOCT-1937

0; Caps Obery Match 1.3%; Score 14; DB 7; Length 359; Bast Local Smilarity 100.0%; Pred. Ro. 3.47e+02; Matches 14; Conservative 0; Mismacches 0; Indels Matches 14; Conservative 0; Mismacches 0; Indels

50 catctatgccatca 63

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US-08-887-977-9. mg

Tue Nov 17 08:55:26 1998

342 CATCTATGCCATCA 355

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Query Match 1.3%; Score 14; DB 20; Length 358; Best Local Similarity 100.0%; Pred. No. 3.47e+02;

PR USS48642A. /*tag= a p 23.48.496. 
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D 099384 tendard: DXN: 300 BP.

D 08284 1996 (first entry)

D Re Lhallin: Tigone entraded 5.-flanting region.

DE RE Lhallin: Tigone entraded 5.-flanting region.

Extra Landin: Tigone control; cis-acting sequence: ss.

F Reta Landin: Tigone control; cis-acting sequence control cont

Query Match 1.3%; Score 14; DB 17; Length 360; Best Local Similarity 100.0%; Pred Bo: 3.76+0.9; A76+0.9; Manches 14; Conservative 0; Mismatches 0; Indels 0;

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US-08-887-977-9.xng

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Q60260 standard; DNA; 387 BP.
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tagging; in vivo; i6-MAR-1994 (first entry)
Ruman brain Expressed Sequence Tag EST02257.
Cene transcription product; genetic markers;
transcription; mapping; locations; chromosome
WOST SEATHER.

Query Match 1.34; Score 14; DB 8; Length 387; Bert Local Similarity 100(04; Perd Ro. 3.476+02). Matches 14; Conservative 0; Mismarches 0; Indels 0;

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RESULT 116

No. 4493 standard; DNA: 396 BP.

No. 74939 standard; DNA: 396 BP.

No. 74939 standard; Cfirst entry)

DE H. FUTCH ONF hpp11096cff.

No. 16m1fication; binding ompound; becreate, life cycle, activator; minimizer; duodent, ulcer disease; chronic gastritis; diagnosis; des many production of the cycle, activator; many production of the cycle, activator of the c

/*tag= a /note= "no stop codon given"

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Page 131

US-08-887-977-9.mg

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Page 132

VWTR locus D18817 flanking regions.
variable number tandem repeat; oligonucleotide probe
Rey Domo sapiens.
Rey Domotovico location/Qualifiers
repeat_region 134.400/Qualifiers Location/Qualifiers
234..404
/*tag= a /*tag= 234..290
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/*number= 1 repeat_unit

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We would have a compared to the world have a

Score 15; DB 2; Length 404; Pred. No. 8.37e+01; 0; Mismatches 0; Indels 0; Query Match Best Local Similarity 100.0%; Matches 15; Conservative

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TRESSULT 118 M80026 etandard; DNA: 413 BP.
AC M800256 etandard; DNA: 413 BP.
DT 0800225; 1990 (first entry)
DZ 080020-1990 (first entry)
DZ 0800106 Bone Worphogenic Protein-3 in bp-819 detected by probe #3.

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US-08-887-977-9. xng

D 714159 standard; CDNA to mRNA; 378 BP.

AC 724159.

D 674159 standard; CDNA to mRNA; 378 BP.

M 724159.

E 67271996 (first entry)

E 724159.

E 724159. Query Match 1.3%; Score 14, DB 20; Length 378; Best Local Similarity 100;04; Pred. No. 3.479-02; Matches 14; Conservative 0; Misaatches 0; Ondels 0; Gaps

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RESULT 115

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PR 00-007-1937 005233.

PR 01-007-1937 005233.

PR 01-007-1936 005-25231.

PR 01-007-1936 005-25231.

PR 01-007-1936 005-75231.

PR 01-007-19 

1.3%; Score 14: DB 40; Length 396; Best Local Smilarity 100.0%; Pred No. 3.47-42; Indels 0; Caps Matches 14; Conservative 0; Mismatchies 0; Indels 0; Caps

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RESULT 117 ID Q12006 standard; DNA; 404 BP. AC Q12906; DT 17-OCT-1991 (first entry)

US-08-887-977-9. rng

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Opery Match 1.13; Score 14; DB 1; Length 413; Best Local Similarity 100:09; Pred. No. 3.478+02; Marches 14; Conservative 0; Marantches 0; Indels 0;

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ESSUT. 110

TO 700 standard; CDNs; 413 BP.

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US-08-887-977-9.zng

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different mRNAs in the particular tissue from which it was derived. The appearance frequency of a given 65 in a cDNA library can be determined (esp. using primers and probes derived from the GS sequences) as a means of disponeing abnormal cell function or for recognising different cell types. 75 c, 101 G, 138 T;

ö Query Match 1.3; Score 14; DB 21; Length 422; Best Local Stallarity 93.38; Pred. Ro. 3.47+0.7 Matches 14; Conservative 0; Hismatches 1; Indels

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Query Match 1.31; Score 14; DB 30; Length 413; Best Local Similarity 100.04, Pred No. 3.47e-05; Indels 0; Gaps Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps

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(see also 1863)9) for the P28 antigen (#1911) of Toxoplasma gondii. The colding sequence was deduced from cDNN tibrary by severaling with mouse anti-7913-96 as probe and cDNN tibrary by accepting with mouse anti-7913-96 as probe and closes obtain by hybridistation using isolated partial cDNN tibras approach and probes. The polymouleculde, or a portion of it consisting of at least 10 consecutive unclectities of the sequence, can be labelled with a decertable tay and used in hybridisation assays for the detection (toxoplasma infections = 9. In AIDS patients.

RESULT 121

1274490 standard: CDNA to mRNA, 422 BP.

127450 standard: CDNA to mesenger RNA mRNA, relative abundance; frequency; RNA mNA mNA, relative abundance; frequency; RNA mNA mNA, relative abundance; frequency; RNA mNA mNA man. CDNA man. CDNA man. CDNA most, 471491.

127470 standard and man. CDNA most, 471491.

127470 standard and most and and most and and and most and and most and and and and

Listue Page 1627: 2245pp; Japanese.

Citian A single-stranded DNA for its complementary strand or the corresp.

Gother-stranded DNA, or its complementary strand or the occure.

Gother-stranded DNA, on the complementary strand or part of the nor in Tisology and which is able to hybridate or part of huma gromate DNA, on And which is able to hybridate or part of huma gromate DNA, on and with a data of the Signature) sequences were obtained from 'distrected GNA libraries prepared from value numan issues; synthesis or CONA was initiated from the unraniated sequence is unique to a particular mink species. Almost all the 3'-refreed GNAS shyridates with perfect the signature and the strand of many shyridates with perfect and initiary is constructed so as to reflect securately the relative abundance of

Query Match 1.3%; Score 15; DB 8; Length 446; Best Local Smilarity 100.0%; Pred. No. 9.37e+01; Matches 15; Conservative 0; Mismatches 0; Indels

We will see that the second se

Page 133

US-08-887-977-9. Eng

Bone morphogenic protein; bBMP-3; probes; cartilage formation; bone formation; osteogenic cpds.; prodontal disease; ss. New taurus. Location/Qualifiers 41..374 41..374

misc_rna

30-JUN-1987: UO1537. 52-FAR.1987: US-01346. (GENE) Genetics Inst Inc. WATNEY 88-Q2156/03. P-PSDB: P81515.

Propagation to proceed a country and using recombinant DRA and used from both composition to the process of pr

Query Match 1.3%; Score 14; DB 1; Length 413; Dest Local Similarity 100.0%; Pred No. 3.474-02; Indels 0; Gaps Matches 14; Conservative 0; Mismatches 0 Gaps

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RESULT 119
1D N32199 standard; cDNA; 413 BP.
AC N32199.
DT 05-APR-1990 (first entry)
DE Regim of clone BP-819 which hybridges with bowine BKP-3 probe.
KN BPC-3 procedn. Ambda bP-819; bone formation; tissue repair.
RN BRDs septens.
Location/Qualiffers

recombinant protein for vectabation or assgness or assertion e.y.
Alta patients
(Chair Column 17-18; 10pp; English:
A pain Filt Column 17-18; 10pp; English:
Oppgracte (789590) Comprises a portion of the coding sequence

US-08-887-977-9. ID

Page 136

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Tue Nov 17 08:55:26 1998
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US-08-887-977-9. mg

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US-08-887-977-9. rng

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Page 137

DESULT 123

DESCRIPT 1930

CHAN-1993 (first entry)

Expressed Sequence Tag human get before the plant of the

P. putida LMG 2312 168-235 rRNA spacer region.

Who probe detection identification intorporanism; suplify;

RM probe detection intorporanism; suplify;

RM probe putida.

PM probe putida.

PM probes putida.

PM 1914-1996.

PM 1914-1996.

PM 21-77H-1999.

PM 21-7

Dr. 20-107-1993 (first entry)

Expressed Sequence Tag human genome project; chromosome;

RW spressed Sequence tag; human genome project; chromosome;

RW subcenlisation; gene tagging; tissue typing.

Bub Contlisation; gene tagging; tissue typing.

Bub Contlisation; gene tagging; tissue typing.

Contlisation; gene tagging; tissue typing.

Contlisation; gene tagging; tissue typing.

PR 20-108-1993; UG-53139.

PR 20-108-1993; UG-53199.

PR 20-108-1993;

Query Match 1.3% Score 15; DB 6; Length 446; Deat Local Similarity 100:0% Pred. No. 8778+01. He Machae 15; Conservative 0; Macatches 0; Indels 0;

g

RESULT 124 ID T11846 standard; DNA; 468 BP. AC T11846: DT 03-SEP-1996 (first entry)

Tue Nov 17 08:55:26 1998

intron

282 aaatatcatgaacat 296 669 AAATATCATGAACAT 655 g

US-08-887-977-9. ING

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1..72
/*tage b
//mumber= 6
//mumber= 6
//mumber= fragment of intron 8*
//mumber= 6
//mumber= 9

Woods0568-A. Numbers 9

PR 12-ED-1955: URA 001200.

PR 11-ED-1955: URA 001200.

PR 11-ED-1955: URA 001200.

PR 11-ED-1955: URA 001200.

PR 11-ED-1955: URA 001200.

PR 12-ED-1955: URA 001200.

PR 12-

0.00 Sector March 1.3%; Score 15; DB 28; Length 494; Best Local Similarity 100.0%; Pred No. 8.75+0; Marches 15; Conservative 0; Mismatches 0; Indels 0; Gaps

RESULT 126 ID Q14952 standard; DNA: 539 BP. AC Q14952;

Page 139

Tue Nov 17 08:55:26 1998

US-08-887-977-9. rng

MESULT 135

D 759815 standard; DNA, 494 BP.

D 759817 (first entry)

D 84-ceasin gene fregment #7.

RN Beta ceasin gene fregment #7.

PN Beta ceasin #7.

PN B

Query Match 1.39, Score 14; DB 21; Length 468; Best Local Similarity 100:09; Pref. 70: 47+02; Matches 14; Conservative 0; Mismatches 0: 1. Indels 0; Gaps

17-JM-1992 (first entry) Bovine epithelin precursor (partial). Er; growth regulation; inhibition; etimulation; ss. Bos turns. W99J15510-A.

Query Match 1.14; Grore 14; DB 3; Length 539; Best Local Similarity 100.04; Pred. No. 3.476+02; Matches 14: Conservative 0; Mismatches 0; Indels 0;

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PESULT 127

TD 055054 standard; DNA; 546 BP.

AC 055054 STAND-1994 (first entry)
DT 18-UU-1994 (first entry)
DZ SEQUENCE of Organization Standard Teceptor; ss.

NW P-Rs, 01199; Pither; peptide lighd Teceptor; ss.
PR Rsy Location/Qualifiers
FT misc_feature 1.36
FT **T misc_feature 1.36

Location/Qualifiers
1.26
/*tag= a

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misc_feature

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                                                                                                                                  Toyoplesma gondii.
Key
May - difference 497, 498
misc_difference 497, 498
/note= "sequence contains an apparent 1 base deletion"
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PERSONAL TOTAL TOTAL TO MENN, 553 BP.
RESULY 1206 (dist entry)
PERSONAL TOTAL T
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match 1.34; Score 14; DB 15; Length 551; Best Local Similarity 100; 04; Pred 18c; 1974-05; 1974-05; Matches 14; Conservative 0; Hamatches 0; Indele 0;
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Page 141
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CA A single-stranded DNA, Wich comprises one of the 7837 'Gs' sequences to double-stranded DNA, Wich comprises one of the 7837 'Gs' sequences concluded DNA, Wich comprises one of the 7837 'Gs' sequences concluded DNA, CDNA or mRNA, as claimed. The GS (Gene Signature) concluded DNA, CDNA or mRNA, as claimed. The GS (Gene Signature) concluded DNA, CDNA, or mRNA, as claimed. The GS (Gene Signature) concluded DNA, CDNA, which post the CS (Gene Signature) concluded DNA, CDNA, which post the CS (Gene Signature) concluded DNA, CDNA, which separated from the contranal acts of mRNA by using poly(T) as the nole prize. Since the 3'-crimented one is unique to a particular mRNA species, almost contranal acts of the page and the page and
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               (OKUDA) OKUDO K.

WINDALER K. OKUDO K.

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WENT, 95-70
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TO 194514 standard; DNA: 551 BP.
D 194514 standard; DNA: 551 BP.
DT 17-FED:1996 (first entry)
DT 17-FED:1996 (first entry)
DF Pragmant (bases 705-756) of Toxoplasma gondii p28 coding sequence.
RW Toxoplasma gondii; p28 tachygodie; p28 tachygodis.
RW infection; vaccine; immunosassy; antibody; toxoplasmosts; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match 1.3%; Score 14; DB 9; Length 546;
Best Local Similarity 10:00; Pred; No. 3.478-40; indels 0; Gaps Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps
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/label= PCR oligo no. 10
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Page 144

The control of the co 

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OF MEDICINE. Harris PC, Reseling ALW; Illist MD, Peral B, Peters DJM; Ward CJ;

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CC precursor, or a cloned ds DNA consisting of the ss DNA and its cc complementary so DNA is claimed. Also claimed it as plasmid conte. the ds DNA or its fragment. The motilin may be useful for curing CC gastro-enterophypy at a period of post-operation and for diagnosis. The CC cDNA was preed. from RNA exid. from the upper small intestine. SQ Sequence 555 BP; 155 A; 144 C; 159 G; 97 T;

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Score 14; DB 1; Length 555; Pred, No. 3,47e+02; 0; Mismatches 0; Indels

Query Match
Best Local Similarity 100.0%;
Matches 14; Conservative 

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Score 14; DB 24; Length 554;
Pred. No. 3.47e+02;
0; Mismatches 0; Indels 0;
                                                                                        RESULT 113
N80597 standard; DNA; 555 BP.
An N805997 (first entry)
DP Sequence of closed CDNA encoding human motilin precursor
N8 Gastro-enteropathy; ss.
N8 Home septens
Location/On-1/---
T cds
                                                                                                                                                            131...153
/*tag="b
//note="Location of the oligo probe"
56..400
                                                                                                                                                Location/Qualifiers
56..403
/*tag= a
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Best Local Similarity 100.0%;
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## T PP - 28999-A. 7 D - 28999-A. 9 O - 287-188 J - 19108: 9 O - 287-188 J - 19108: 9 O - 287-188 J - 19108: 10 C - 287-188 J - 19108: 11 C - 284-188 J - 19108 11 C - 284-188 J - 19108 12 D - 284-188 J - 281-188 J - 281-188

56..400 /*tag= c /note="Claimed in claim 2"

misc_feature

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diagnostic (immunoassay) compositions for detection of anti-T, gondii antibodies. Antigenic peptides from the p28 protein can be used to raise antibodies. Sequence 557 8P; 152 A; 142 C; 164 G; 99 T;
                                                                                                                   Ouery Match 1.34; Score 14; DB 35; Length 557; Best Locots Similarity 100.04; Ped. No. 3.49-407. Best Locots 14; Conservative 9; Manasches 9; Indels 9;
                                                                                                                                                                                                                        305 aaaaagcaaaggtg 318
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193 AAAAGCAAAGGTG 180
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TOTAT 134

QG7728.

GG7728.

22-MR-1955 (first entry)

23-MR-1955 (first entry)

Espanolytic polypeptide fusion protein.

Spanolytic gastrointestinal disorder: prophylaxis; therapy; ss.

Key

Key

Ty est-
                                                                                                                                                                                               *tag* a
/note* 'leader-human spaamolytic fusion protein'
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/label= SEQ_ID_NO:4
/nabel= SEQ_ID_NO:4
/nate= PCR primer=
362..378
/*tag= e
                                                                             "PCR Primer"
                                                                                        *PCR Primer*
                                                                                           502..521
/*tag= g
/note= "PCR primer"
                                                                              *1...424
*tag= /
                                               6.553
tag= c
                                                                     misc_feature
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                                                      misc_feature
                                                                                misc_feature
                                               mat_peptide
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MOSSA17109-A.
04-MOSSA1709-A.
04-MOSSA18-A.
12-MARINSH DROOMS.
12-MARINS B.
04-MOSSA18-AS.
18-MARINS B.
04-MOSSA18-AS.
18-MARINS B.
04-MARINS B.
04-

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US-08-887-977-9.IB

signal_peptide

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US-08-887-977-9.xng

PT USSESSALA.

PD 01-202-1927

/*tag* a longer changed from A to C as compared the fine 500.20 complete coding sequence 194511' complete coding sequence 194511' hetge b /*tag* b /*tag* b /*note* 'sequence contains an apparent 1 base deletion'

Human spamolytic polypeptide in glycosylated form - useful for prophylate or treatment of gentrolinestinal disorders from the DNs and a page 29-30; Spp. English.

The DNs and a page 29-30; Spp. English.

The DNs and page 29-30; Spp. English.

Thin is used in a planmaccutical composition for the prophylaxis and treatment of gestrolinestial disorders.

and treatment of gestrolinestial disorders.

2888888

Ouery Match 53, Score 14; DB 12; Length 563; Best Local Similarity 100.0%; Pred. Ro. 3478-05; Marches Matches 14; Conservative 0; Mismatches 0; Indels 0;

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01-JUN-1995 12-NCV-1994, JO1916. 12-NCV-1995, JOHNSTON. (MATS.) MATERIARA K. (MATS.) ANDO K. MATERIARA K. (MATS.) ANDO K. HOTISTON ONDO K. HOTISTON OF SEGMENTINES IN 3'-directed human CDKA library - e.g.. (Or diagnosis of shoormal cell function, by preparing CDRA that Tellecta relative abundance of corresp. mRNA in specific human 11989; "LTUT-1996 (first entry) "DO Dr.".

Human gene signature HTMSGOODS, "LTut-1996 (first entry) "DO Dr.".

Human gene signature; messenger RRA, mRA, relative abundance; frequency human; cloning; mapping; non-biased library; diagnosis; detection; ed. Toping; mapping; non-biased library; diagnosis; detection; ed. Thylogic Bubormal cell function; ss. "WOS 541772-AL". .T 135 T19858 standard; cDKA to mRKA; 566 BP.

T tissues
Claim 1, page 487, 2245pp, Japanese.
Claim 1, page 1, pa

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Page 149
US-08-887-977-9.zng
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Page 150

US-08-887-977-9.Ing

Tue Nov 17 08:55:26 1998

to a ortotoxin can be used for cancer treatment. The emcoded protein can be used to rate antibodies and these used to screen DNA appression between the case palipsetide section; and or allows differential disposals bluewen neoplasts and hyperplasts of the prostate (all tumburs with a 104 blood laws to this estylon) and determination of accordances in the Sequence 590 Bp; 201 A; 70 C; 104 G; 212 T;

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Query Match 1.3%; Score 14; DB 36; Length 590; Best Local Schildrafty 100:0%; Pred. No. 3478+05; Marches 14; Conservative 0; Manantches 0; Indels 0;

determined (esp. using primers and probes derived from the GS sequence) as a means of dispnosing abnormal cell function or recognisting different cell types.

Sequence 566 BP; 138 A; 114 C; 118 G; 176 T;

ö Ocery Match 1.34; Score 14; DB 19; Length 566; Best Local Similarity 93.34; Pred. No. 3.474-02; Matches 14; Conservative 0; Mismatches 11; Indels 0; Gaps

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NESULT 136

10 793133 standard; DNA: 590 BP.

10 793133 standard; DNA: 590 BP.

11 793131 standard; DNA: 590 BP.

12 79 MAINT Of gene (first mile)

12 79 MAINT Of gene (first mile)

13 10 MAINT Of gene (first mile)

14 10 MAINT OF GENERAL OF STANDARD CONCET, GENERAL THERSPY,

15 10 MAINT OF GENERAL DOG LOSS THE GENERAL GENERAL GENERAL GENERAL

15 10 MAY 1937.

16 10 MAY 1937.

17 10 MAY 1937.

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19 11 MAY 1937.

19 12 MAY 1937.

19 12 MAY 1937.

19 12 MAY 1937.

19 13 MAY 1937.

19 14 12 MAY 1937.

10 MAY 1937.

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PR 129501840-A1. /*tag* a property | /*tag* a This standard; colou, 666 pp.

This standard; colour, 666 pp.

Th

Query Match 1.3%, Score 15; DB 26; Length 666; Best Local Similarity 100.0%; Pred. No. 8.37e+01;

proteins provides a synergistic increase in plant protection, and also offer protection against a vider range of pathogens. Sequence 595 BP, 165 A; 114 C; 157 G; 215 T;

Score 15; DB 18; Length 653; Pred. No. 8.37e+01; 0; Mismatches 0; Indels 0; Query Match
Best Local Similarity 100.0%;
Matches 15; Conservative

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Page 151

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Page 152

ö Indels ö Mismatches ö Matches 15; Conservative

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PF W0441390-A.

PO401290-A.

PO502-1931; PD103.

PR O7-DEC-1932; PD103.

PR O7-DEC-1932; PD103.

PR O7-DEC-1932; PD104.

PR O7-DEC-1932; PD105.

PR O7-DEC-1932; PD106.

PR O7-DEC-1932; PD106.

PR O7-DEC-1932; PD107.

PR O7-DEC-1933; PD107.

PR O7-DEC-1934; PD107.

PR O7 RESULT 139

COSSISTANT COLING CONTROLLED CONTROL CONTROL CONTROL C

Score 14; DB 11; Length 672; Pred. No. 3.47e+02; 0; Mismatches 0; Indels Query Match
Best Local Similarity 100.0%;
Matches 14; Conservative

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Tue Nov 17 08:55:26 1998
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US-08-887-977-9. rng

Tue Nov 17 08:55:26 1998

Page 153

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175118; 1767-1997 (first entry)
Cryptosporidium genemic DNA sequence.
Cryptosporidium paremic DNA sequence.
Cryptosporidium parum. human: calf, host; primer; probe; detection; Cryptosporidium parvum. Cryptosporidium parvum.
US-08-887-977-9.xmg
                                                                                                                                                      standard; DNA; 688 BP.
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PR GR3107477-A.
PP 23-NWY 1997.
PP 23-NWY 1995.
PP 23-NWY 1995.
PP 23-NWY 1995.
PR 213-NWY 1995.
PR 213-NWY

The Machine Ma

ery Match 13%; Score 14; DB 32; Length 688; set Local Similarity 1000, Pred, No. 3.476-02; tohes 14; Conservative 0; Mismatches 0; Indels 0; Gaps

6 B

Query Match
1.3; Score 14; DB 35; Length 689;
Best Local Similarity 100:04; Pred Ro. 3.47e+02;
Matches 14; Conservative 0; Mismarches 0; Indels 0;

RESULT 142 ID T35146 standard; CDNA; 702 BP. AC T35146; DI 07-NOV-1996 (first entry)

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RESULT 141

RESULT 141

F. 179667 standard, DNN, 689 BP.

F. 17967 can control of the control of

77 300157408-A.
78 300157408-A.
79 18-7079-1396.
79 18-7079-1396.
79 10-8079-1394; 7273-95.
78 10-8079-1394; 7273-95.
78 10-8079-1394; 7273-95.
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78 10-8079-1394; 7273-95.
78 1 

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RESULT 13)

TO 733199 standard: DRM: 713 BP.

AC 733199 standard: DRM: 713 BP.

DE Mouse interleakin.12 pd3 subunit gene.

BE Mouse interleakin.12 pd3 subunit gene.

TO subunit antiumour: optokine: tumour: melanoma;

Albrosavcroma: rend cell carcinoma: immunotherapy: therapy:

KW muscollus.

AC 40.

FH KW muscollus.

Location/Qualifiers

FT signal_peptide 41.112

FT signal_peptide 41.112

FT mat_peptide 41.112

FT mat_peptide 71.12

FT mat_peptide 71.12

FT mat_peptide 71.13

FT mat_peptide 71.13

FT mat_peptide 71.149

Tue Nov 17 08:55:26 1998

location/Qualifiers 37..585 /*tag= a

Query Match 1.34; Score 14; DB 22; Length 702; Best Local Similarity 100; Pred. No. 3.47e-02; Destructes 14; Conservative 0; Mismarches 0; Indels

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0; Gaps

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PR W09624676-A1.

PD 12-AG-1296.

PP 12-AG-12-AG-12-AG-12-AG-12-AG-12-AG-12-AG-12-AG-12-AG-12-AG-12-AG-12-AG-12-AG-12-AG-12-AG-12-AG-12-AG-12-AG-12-AG-12-AG-12-AG-12-AG-12-AG-12-AG-12-AG-12-AG-12-AG-12-AG-12-AG-12-AG-12-AG-12-AG-12-AG-12-AG-12-AG-12-AG-12-AG-12-AG-12-AG-12-AG-12-AG-12-AG-12-AG-12-AG-12-AG-12-AG-12-AG-12-AG-12-AG-12-AG-12-AG-12-AG-12-AG-12-AG-12-AG-12-AG-12-AG-12-AG-12-AG-12-AG-12-AG-12-AG-12-AG-12-AG-12-AG-12-AG-12-AG-12-AG-12-AG-12-AG-12-AG-12-AG-12-AG-12-AG-12-AG-12-AG-12-AG-12-AG-12-AG-12-AG-12-AG-12-AG-12-AG-12-AG-12-AG-12-AG-12-AG-12-AG-12-AG-12-AG-12-AG-12-AG-12-AG-12-AG-12-AG-12-AG-12-AG-12-AG-12-AG-12-AG-12-AG-12-AG-12-AG-12-AG-12-AG-12-AG-12-AG-12-AG-12-AG-12-AG-12-AG-12-AG-12-AG-12-AG-12-AG-12-AG-12-AG-12-AG-12-AG-12-AG-12-AG-12-AG-12-AG-12-AG-12-AG-12-AG-12-AG-12-AG-12-AG-12-AG-12-AG-12-AG-12-AG-12-AG-12-AG-12-AG-12-AG-12-AG-12-AG-12-AG-12-AG-12-AG-12-AG-12-AG-12-AG-12-AG-12-AG-12-AG-12-AG-12-AG-12-AG-12-AG-12-AG-12-AG-12-AG-12-AG-12-AG-12-AG-12-AG-12-AG-12-AG-12-AG-12-AG-12-AG-12-AG-12-AG-12-AG-12-AG-12-AG-12-AG-12-AG-12-AG-12-AG-12-AG-12-AG-12-AG-12-AG-12-AG-12-AG-12-AG-12-AG-12-AG-12-AG-12-AG-12-AG-12-AG-12-AG-12-AG-12-AG-12-AG-12-AG-12-AG-12-AG-12-AG-12-AG-12-AG-12-AG-12-AG-12-AG-12-AG-12-AG-12-AG-12-AG-12-AG-12-AG-12-AG-12-AG-12-AG-12-AG-12-AG-12-AG-12-AG-12-AG-12-AG-12-AG-12-AG-12-AG-12-AG-12-AG-12-AG-12-AG-12-AG-12-AG-12-AG-12-AG-12-AG-12-AG-12-AG-12-AG-12-AG-12-AG-12-AG-12-AG-12-AG-12-AG-12-AG-12-AG-12-AG-12-AG-12-AG-12-AG-12-AG-12-AG-12-AG-12-AG-12-AG-12-AG-12-AG-12-AG-12-AG-12-AG-12-AG-12-AG-12-AG-12-AG-12-AG-12-AG-12-AG-12-AG-12-AG-12-AG-12-AG-12-AG-12-AG-12-AG-12-AG-12-AG-12-AG-12-AG-12-AG-12-AG-12-AG-12-AG-12-AG-12-AG-12-AG-12-AG-12-AG-12-AG-12-AG-12-AG-12-AG-12-AG-12-AG-12-AG-12-AG-12-AG-12-AG-12-AG-12-AG-12-AG-12-AG-12-AG-12-AG-12-AG-12-AG-12-AG-12-AG-12-AG-12-AG-12-AG-12-AG-12-AG-12-AG-12-AG-12-

Query Match 1.3%; Score 14; DB 23; Length 713; Bert Local Similarity 100%; Pred 18; No. 3.478-602; Indels 0; Gaps Watches 14; Conservative 0; Mismatches 0; Indels 0; Gaps

à TITE 144
068556 standard; DNA, 751 BP.
068556 standard; DNA, 751 BP.
068556 standard; DNA, 752 BP.
06856 standard; DNA, 752 BP.
0685 Vum. Location/Qualifiers
21..695
//tag a /product= germin
/note= "clone gf-2.8"

MO9413790-A. 23-JUN-1994. 07-DEC-1993; P01203. 07-DEC-1992; FR-014721.

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US-08-887-977-9.xmg

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US-08-887-977-9. zzg

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Nucleic acid encoding Toxoplasma gondii P28 protein - used in the Minister acid encoding Toxoplasma gondii P28 protein - used in the Minister acid disposing roxoplasmach, also for expression to the codium 18-20; tapp: English and disposite response to the codium 18-20; tapp: English and the column 18-20; tapp: English and the contrasponds to the coding sequence encoding the Toxoplasma gondii P28 protein. The sequence was obtained from a library generated from nucleic seid aboarded from 19 ondii the chycolies. Prospess in hypridiation to seas for direct detection of T. gondii the totol disposite (immunosses) compositions for detection of T. gondii infection disposite (immunosses) compositions for detection of anti-T. gondii antibodies. Antigenic peptides from the p28 protein on be used to raise antibodies. Antigenic Epptides from the p28 protein on be used to raise antibodies.
              888888888444
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Ocery Match 1.3%; Score 14; DB 35; Length 756; Best Local Similarity 100.0%; Pred. no. 3.47e-0.

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| March | Marc
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USS633139-A.

1058633139-A.

1058631319-A.

1058631319-A.

1058631319-A.

1058631313-A.

10596313-A.

1059631

Nucleic acid encoding Toxoplasma gondii P28 protein - for producing trecombinant protein for vaccination or diagnosis of infection e.g., in ADDS patients
Claim 2; Column 15-15, 10pp; English.
Claim 2; Column 15-15, 10pp; English.
ANN molecule (7689)9 comprises the coding sequence for the P28 antigen (W18315) of Toxoplasma gondii. The sequence was deduced

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US-08-887-977-9.zmg

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1.e. toxoplasmosis. The encoded protein is useful in vaccines and disposite (immunosasy) compositions for detection of anti-T. gondai antibodies. Antigente peptides from the p38 protein can be used to raise sequence 756 Bp. 201 A. 193 C; 207 G; 155 T; 207 G; 155 T; ន្តន្តន្តន

Query Match
1.34; Score 14; DB 35; Length 756;
Bact Local Similarity 100:09; Pred. No. 3.47e-02;
Matches 14; Constraiive 0; Mismatches 0; Indels 0;

RESOUR 140

TO 0311 standard; DNA; 782 BD.

TO 11.00311 standard; DNA; 782 BD.

TO 11.00311 standard; DNA; 782 BD.

E BOTTELIA burgdorferi exported plammid protein A (EppA).

The cities disease: antigenic; immune response; detection; virulent; miscriton; service disease; antigenic; immune response; detection; virulent; miscriton; service disease; detection; virulent; miscriton; service; detection; virulent; miscriton; service; detection; virulent; miscriton; detection; virulent; detection; vir

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Page 159

Page 157

US-08-887-977-9. rng

Ph (SNFI) ELF SANOFI.

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Query Match 1.3%; Score 14; DB 11; Length 751; Sept Local Similarity 100.0%; Pred No. 3.478-62; Indels 0; Gaps Matches 14; Conservative 0; Mismatches 0 indels 0; Gaps 886 CCAGGACTICIGIG 873 107 ccaggacttctgtg 120 გ

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iros coma closes isolated from a coma library by acreening with mouse anti-1753-78 as probe and closes obta by hybridisation using isolated partial one close as probes. One isolated close decision artists encoding the most of the construction of Tue Hov 17 08:55:26 1998 នឧឧឧឧឧឧឧឧ

US-08-887-977-9.rng

Ogery Match 131: Score 14: DB 30; Length 756; Bast Local Statistic 100 0: Perd 19: 0: 347-402; Matches 14; Conservative 0: Mismatches 0: Indels 0:

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F USSESS42.A. / Indem 'no story conoun given at caus or sequence programming the programming t A RESULT 147

A CASOLARM STANDARD DNA: 756 BP.

A CASOLARM STANDARD (first entry)

DE TOXOSLARM GONDIL P28 tachyroict; probe; hybridisation; detection; coxoslarm gondil; p28 tachyroict; probe; hybridisation; detection; coxoslarm gondil; p28 tachyroict; probe; hybridisation; detection; immunossaxy; antibody; toxoplasmosis; ss.

A CASOLARM GONDIL; p28 tachyroict; probe; hybridisation; detection; infection; vecine; immunossaxy; antibody; toxoplasmosis; ss.

A CASOLARM GONDIL; p28 tachyroict; passign; p38 tachyroict; p38 tac

PT the prodn. of antibodies, in vaccines and for prodn. of reagents for dispose. Pig 44, 1849; English.

PS dispose. Pig 44, 1849; English.

C codispose of 1939p sergil-xml fragment of pAAll30. The predicted codispose. PS 1939p sergil-xml fragment of pAAll30. The predicted codispose. PS 1939 sergil-xml fragment of pAAll30. The predicted codispose. PS 1939 and PS 19349.

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Query Match 1.3%; Score 14; DB 1; Length 790; Best Local Similarity 100.0%; Pred. No. 3.478+02; Matches 14; Conservative 0; Mismatches 0; Indels.

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PR 17-UTN-1994; UG-261825.

PR 1826C) DET CALLPORNIA.

PR 1826C) DET CALLPO
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match 1.3%; Score 14; DB 19; Length 782; Best Local Similarity 100:0%; Perd. No. 347e+02; Matches 14; Conservative 0; Mismatches 0; Indels 0; Matches 14; Conservative 0; Mismatches 0; Indels 0;
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RESULT 149
D GOUST 149
D GOUST 149
D GOUST 140
D GOUST 439 ttataaaaagcaaa 452 197 TTATAAAAGCAAA 184 ç a

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US-08-887-977-9.xmg

0; Indels Mismatches ö standard; DNA; 810 BP. Matches 14; Conservative 

/*tag* a /product* "In-IGF-BP" | March | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 15

PH 05563754.A.
PROGUCET 'IN-INF-DF'
PH 05562754.A.
PH 057-13957, 9562318.
PH 057-13957, 9563218.
PH 057-13957, 956

Ouery Match Best Local Similarity 100.0%; Pred. No. 3.47-607; Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps

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RESULT 152 ID N80115 standard: DNA; 832 BP.

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Page 163

N80115;
18-027-1990 (first entry)
Ruman preprolactin gene.
Prolactin milk; contraceptive; dairy cows; lactation; fono saptens. Location/Qualifiers /*tag= b /label=prolactin signal peptide mat_peptide

PR 108-73549.

PR 108

74331.
11-779-1998 (first entry)
010-779-1998 (first entry)
010-190-1998 (first entry)
010-190-1998 (first entry)
010-1998 (first entry) RESULT 133 standard; CDNA, 632 BP. A 774333 standard; CDNA, 632 BP. DT 11-722-1998 (first entry) DC DNA encoding human substitution NW Prolactin antegorist; phosphoryl NY Prolactions, prostate cancer; tr NY Lactations, prostate cancer; tr NY Lactation; mascarriage; ovulation of Symbatic.

Page 164

Tue Nov 17 08:55:26 1998

Query Match 1.3%; Score 14; DB 35; Length 797; Best Local Similarity 100.0%; Pred. No. 3.47e+02;

Query Match
1.3%; Score 15; DB 1; Length 832;
Best Local Similarity 100.0%; Pred. No. 8.37e-01;
15; Conservative 0; Mismarchee 0; Indela

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US-08-887-977-9. rng
Tue Nov 17 08:55:26 1998
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US-08-887-977-9.zng

Tue Nov 17 08:55:26 1998

Vaccine; diagnosis; epitope; passive immunisation; ss.
Basmophilus influence, Qualiffers
Key
LG4: G28
- 164: G29
- 164: G

PR 909804932.A.

PD 14-700-1988.

PD 18-205305129.

PD 28-205305129.

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Ocery Match 1.3%, Score 14; DB 2; Length 850; Best Local Similarity 100:0%, Pred. No. 3.474-02; days Watches 14; Conservative 0; Mismatches 0; Indels 0; Gaps

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Page 166

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Page 167
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PD 0-C
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PO 70-AGG-1997.

PO AGG-1997.

PO A
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Query Match
1.1%: Score 15; DB 35; Length 832;
Bet Local Similarity 10:00; Pred. No. 8.37e+01;
Matches 15; Conservative 0; Mismatches 0; Indels 0; Caps
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TO TESSOR STANDARD CONN. 870 BP.
TO TESSOR STANDARD CONN. 870 BP.
Dr. 11-AAG-1997 (first entry)
Dr. 11-AAG-1997 (first entry)
Dr. 11-AAG-1997 (first entry)
Dr. 11-AAG-1997 (first entry)
Dr. 12-AAG-1997 (fi
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1D NOS27.
AC NOS27.
DT 12-VAN-1991 (first entry)
DT 12-VAN-1991 (first entry)
DE Sequence of Reemophilus influenzae Praxis Biolgics Outer
DE Membrane Protein-2 (PBOMP-2) gene
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Tue Nov 17 08:55:26 1998
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Page 168

US-08-887-977-9. rng

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Opery Match 1.3% Score 14; DB 30, Length 870; Best Local Similarity 100;0%; Pred. Mb. 3.478-402; Indels Matches 14; Conservative 0; Mismarches 0; Indels

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RESULT 157

10 V1231 tandard, CDRA to RENA, 871 BP.

10 V1231 tandard, CDRA to RENA, 871 BP.

10 STATE tandard, CDRA to RENA, 871 BP.

10 STATE tandard tandar

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P T US5714575-A.

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P T T US5714575-A.

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P T T US5714575-A.

P T T US571457-A.

P T T US
quantity
Claim Page 5: 11pp; Japanese.
Claim Page 6: 11pp; Japanese.
This sequence represents the DNA encoding a transcription controlling
factor of the investion, designated 8:00 The transcription of optional factor in Tree promotes transcription of the RBZI gene. Use of the transcription factor enables free to happened in quality and quantity.
Sequence 8:11 By. 218 A; 218 C; 348 C; 347 C; 180 T;
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10 V00148 stundard: DNM: 877 BP. BP. A V0148

11 **MY 1998 (first entry)

12 **MY 1998 (first entry)

13 **MY 1998 (first entry)

14 **MY 1998 (first entry)

15 **MY 1998 (first entry)

15 **MY 1998 (first entry)

16 **MY 1998 (first entry)

17 **MY 1994 (first entry)

18 **MY 1994 (first entry)

18 **MY 1994 (first entry)

19 **MY 1994 (first entry)

10 **MY 1994 (first entry)

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15 **MY 1994 (first entry)

16 **MY 1994 (first entry)

17 **MY 1994 (first entry)

18 **MY 1994 (first entry)

19 **MY 1994 (first entry)

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Pred. No. 8.37e+01;
0; Mismatches 0; Indels 0;
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3.37e+01;
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0-007-1927, 104970.
23-8Ma-1922, 104970.
64-ARP-1929, 105-110785.
67-ARP-1929. DP-110785.
67-ARP-1929. 175-1756.
67-BERGE A. PRESPECT.
67-BERGE A. PRESPECT.
Clored human neuronal calcium channel sub-types calcium channel sub-types calcium channel sub-types channel liganda calcium channel liganda calcium 27. Page 86-88; 101pp; German.
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TO 203772 standard; DRA: 920 BP.

CO 203772 standard; DRA: 920 BP.

DE Human calcium channel 27900/14

Franda DA14-4.2.1.1. Carflux assay; se.

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FROM SAPERS.

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Pred. No. 8.37e+1
0; Mismatches
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Best Local Similarity 100.0%;
Matches 15; Conservative
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Best Local Similarity 100.0%;
Matches 15; Conservative
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PN 99000403-A. (*tag* a proposed of the control of the production of the control of the control of the production found on the surfaces of the proteins play a role in the function of many have in the principle. Their interaction with their targes. The Caps may have the oppositive interactive with saston or RWs, possibly to unwind the secondary structures of these noticeles and exhibits extent primary structures. The caps family on the used as demantants to uncoll interactive and their primary functions of models raid, restands as demantants, and, when they are labelled. Or the staining of DNR in gets. Promoters from the gene physicological temperature, e.g. to minimise proteins at lower then normal physicological temperatures, e.g. to minimise proteins are avoid sequence (371 BP) and 371 BP). ô Gaps Score 14; DB 39; Length 877; Pred. No. 3.47e+02; 0; Mismatches 0; Indels 0; 001300 standard, DKN; 903 BP.
001300 standard, DKN; 903 BP.
001300 (first entry)
0010 of Elberia tenella encoding antigen CX3273
0010 of Elberia tenella, antigen CX3273; avian coccidioss
Elberia tenella.
100atla.
11.331 Query Match Best Local Similarity 100.04; Matches 14; Conservative 88888888888 g 8

US-08-887-977-9. ED

Page 172

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Score 14; DB 5; Length 920; Pred. No. 3.47e+02; 0; Mismatches 0; Indels Query Match Best Local Similarity 100.0%; Matches 14; Conservative

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D (27701) etandard, DNN, 927 BP.
D (2701) etandard, DNN, 927 ETANDARD, ETANDARD, DNN, 927 ETANDARD, ETANDAR

Discioure: Page 35: 54pp; English.

The antisense oligonuclectide given in 7770; is complementary to
The antisense oligonuclectide given in 7770; is complete sequence of human 15F-1R (whose
complete sequence is given in 073702). Fragments of this entisense
sequence may be used to inhibit the growth of 16F-1R-secreting
enticer cells.

uman neuronal calcium channel sub-types - useful in flux assays to screen for neurone-specific calcium

US-08-887-977-9. rng

Page 173

US-08-887-977-9.zng

Tue Nov 17 08:55:26 1998

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Whose 1933 A. (**Asg* b)

PH 1978-1985; 01904

PH 1
05-NOV-1996 (first entry)

Bush tocyte proliferation subtance HP-041V gene.

Bush hepstocyte proliferation subtance; rat; probe; SR-alpha promoter; chinese hamster ovary call, CBO, hepstitis, ds.

Chinese hamster ovary call, CBO, hepstitis, ds.

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TO TITLISS, standard; CDNM to mRNM; 916 BP.
AD TITLISS (Little entry)
DE GE-MON-1590 (Little entry)
DE Repatocyte proliferation substance HP-041 gene.
AN Minan hepatocyte proliferation substance ratt, probe; SR-alpha promoter;
AN Minan hepatocyte proliferation who was a constant of this constant of the con
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match
134, Score 15, DB 22; Length 936;
Bet Local Similarity 100.04; Pred 10. 8.79-01;
Matches 15; Conservative 0; Mismatches 0; Caps
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/*tag= a
67..936
/*tag= b
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Sequence 927 BP: 179 A; 258 C; 277 G; 213 U;
                                                                                           Length 927;
                                                                                      Score 14; DB 12; Length 927
Pred. No. 3.47e+02;
0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        standard; cDNA to mRNA; 936 BP
                                                                                                                                                                                                                                                                                                                                                                                                                                           standard; RNA; 927 BP.
                                                                                      Query Match
Best Local Similarity 100.0%;
Matches 14; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     862 gcaguucuccaggc 875
|||||:||:||||||
98 GCAGTTCTCCAGGC 111
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P-PSDB: ROS211.

In which producing recombinant DRA.

In which promoter, Shine Dalgamon sequence and translation.

In which promoter, Shine Dalgamon sequence and translation.

Institution owners are integrated.

Institution owners are integrated.

Institution owners are integrated.

Institution of Dalgamon (SD) against the promoter, Shine Dalgamon (SD) are institution of Dalgamon (SD) and there are instituted with a substitution of Dalgamon (SD) and there are instituted with a substitution of British Dalgamon (SD) and there are instituted with a substitution of British Dalgamon (SD) and there are instituted with a substitution of British Dalgamon (SD) and there are instituted with a substitution of British Dalgamon (SD) and Dalg
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                               US-08-887-977-9. Emg
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Tue Nov 17 08:55:26 1998
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US-08-887-977-9.rng

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RESULT 163 ID T13397 a AC T13397;

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Location/Qualifiers

signal_peptide Homo sapiens. Key mat_peptide

/*tag* a 67.936 /*tag* b

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F 900600383-A1.

PR 91-5EP-1994; DA-2730-A.

PR 21-5EP-1994; DA-2740-A.

PR 21-5EP-199

Query Match
1.34; Scores 15; DB 22; Length 936;
ser Local Similarity 10; Os; Pred. No. 8.3P=04;
Matches 15; Conservative O; Mismatches O; Indels O; Gaps

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NESULT 166

M. 1813199 (Attat entry)
DE 18-7281990 (Attat entry)
DE 18-7281990 (Attat entry)
DE 18-7281990 (Attat entry)
MAILYNIAN; antitument.
MAILYNIAN; antitument. ď ð

The M08908706-A. /Rotte= 'used as probe DRA'
The M08908706-A.
The M08908706-A.
The Most of Mos

RESULT 165
MC 003393 attandard; DNA: 960 BP.
MC 003393 attandard; DNA: 960 BP.
MC 003401-990 (first entry)
DE Recembinat DNA enceding human prolactin (HP)
DE Recembinat DNA enceding human prolactin (HP): plasmid pDN720; plasmid pLN100.
OS Home adplear
MC NOS 0045-A.
PD 05-ANM-1907
PD 12-DEC-1987; 311244.
PR 15-DEC-1987; 311344. JP-315317.
PR 45-DEC-1987.
DN (SHKA) Shikkishina Boseki K.
NY (SHKA)
NY (SHKA)
MC SHKA)
NY (SHKA)

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US-08-887-977-9.ID
Tue Nov 17 08:55:26 1998
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US-08-887-977-9. rng

202 G;

188 C;

SQ Sequence 967 BP; 358 A;

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Query Match 1.33; Score 14; DB 34; Length 967; Best Local Smilarity 100; 09; Pred. Ro. 3,476+02. Marches 14; Conservative 0; Mismatches 0; Indels 0;

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W096400314.0.

W096400314.1.

W096400314.1.

WE WOUNT 1988: W0897.

WITH 1989: W0897.

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170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170
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71 22-AM-1993; 000627.
72 12-AM-1993; 000627.
73 12-AM-1993; 000627.
74 100-0013.
75 100-0013.
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76 100-0013.
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Matches 14; Conservative 0; Mismatches 0; Indexs 0; Gaps
                                                                                                                                                                                             Outery Match 134; Score 14: DB 1; Length 961; Best Local Shilarity 100.04; Pred. No. 3479+02; Matches 14: Conservative 0; Mismatches 0; Indels 0;
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Months and proceed from clone 4-4.
Promoter: thre-specific transcriptional factor promoter;
First phenopyes colour, melanis, indigo: ss.
Fostion/Outsifices
mat_peptid 1..96
Months 
transfer to the womb of a recipient.
Sequence 961 BP; 253 A; 258 C; 213 G; 237 T;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              /*tag= a
/codon= seq:tga, aa:stop
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Key Location/Qualifiers
cds /*tag= a
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TO 721867 standard; CDNA; 967 BP.

TO 721871998 (List entry)

TO 721871996 (List entry)

TO 721871999 (List entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                         Tue Nov 17 08:55:26 1998
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05-AUG-1993.
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RESOUR 171

10 044308 standard; CDNA to MRNA; 1023 BP.

10 044308 standard; CDNA to MRNA; 1023 BP.

10 144308 (first entry)

10 144308 (first entry)

10 144308 Mt. Prefix entry

10 144308 Mt. Prefix entry

11 14130 Mt. Prefix entry

12 14130 Mt. Prefix entry

13 14130 Mt. Prefix entry

14 14130 Mt. Prefix entry

15 14140 Mt. Prefix entry

16 14130 Mt. Prefix entry

17 14130 Mt. Prefix entry

18 14140 Mt. Prefix entry

18 1
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PP 197-4703018-31.

PP 197-4703018-31.

PP 197-4703018-31.

PP 10-21 polymerae III holocompare - used to make man-made enzyme of S.

PP 10-21 polymerae III holocompare - used to make man-made enzyme of S.

PP 10-21 polymerae III holocompare - used to make man-made enzyme of S.

PP 10-21 polymerae used in proper in pr
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1.3%; Score 14; DB 36; Length 1002;
Bert Local Similarity 100:0%; Pred No. 3.47e-07;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps
           US-08-887-977-9.zng
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Score 14; DB 1; Length 983; Pred. No. 3.47e+02; 0; Mismatches 0; Indels 0;

Query Match Best Local Similarity 100.0%; Matches 14; Conservative

311 coctgtgctctacg 324

RESULT 169
TO 47200 standard; DRM; 1002 BP.
AC 4047200;
DT 56-2M-1994 (first entry)
DE DRM polymerae III holoensyme delta' subunit holb gene.
KW Ensyme; chromosomal replicase; ss.

PR PP-167083-1.

PP 21-007-1980, 19662.

PR 21-007-1980, 19662.

PR 21-007-1980, 19562.

PR 21-007-1980, 195-26270.

PR 21-007-1980, 195-26270.

PR 21-007-1980, 195-26270.

PR Recombinate Movine trophoblast protein-1 - PR 21-00-1410621/9.

PR PR 2009, 80456.

PR 21-009, 80456.

RESULT. 168
TO 00239 standard: DNA; 963 BP.
TO 00230 SUBSTANCE STANDARD STANDA

ue Nov 17 08:55:26 1998	08-88-88
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Certive forecase piven in option-to encode active fragments of todent derived Courts for the certive fragments are linked to hereotogous Freezing and encode the certive fragments are linked to hereotogous Freezing protein has the certive fragments are linked to hereotogous Freezing protein has call beta-1,3calMbo.alpha-2,3-stallor acid transferate protein has call beta-1,3calMbo.alpha-2,3-stallor acid transferates protein and substants again to a slycopition of a glycoprotein having a disaccharide Gal-beta-1,3-GalMbo. a slycoligid and an expect substrates is pref. selective vith stallor cid being taken up rather than slycolipid-disaccharide, in the presence of slycoligid and autorestave uptake of stallor acid is in the presention of cancer mensarie, vita infection, anti-inflammatory, merre cell concernation, or standardion of physiological activity by binding with sequence 1023 Bp; 239 A; 280 C; 279 G; 225 T;
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Query Match 1.3; Score 14: DB 2; Length 1028; Best Local Similarity 100.04; Pred. Ro. 3.47e+02; Indels Matches 14; Conservative 0; Hismatches 0; Indels

Query Match
1.31; Score 14; DB 17; Length 1023;
Best Local Similarity 100: 04; Pred. No. 3.474-07;
Micrise 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

RESULT 172

IN PROJECT 172

IN TRANSPORT OF THE CONTRIBUTION THE Armbidopsis thaliana 28 albumin 172

IN TRANSPORT PLANT: INITITION CONTRIBUTES

IN TRANSPORT PLANT: INITITION CONTRIBUTES

IN REPORTED A 122.925

IN RELEASE 172

IN RELEASE 173

IN RELEASE

RESOLT 173

DE 191903 standard, DNN, 1028 BP.

DE 191903 standard, DNN, 1028 BP.

DE 191903 standard, DNN, 1028 BP.

DE 25 albumin Standard standard clements the Arabidopsis thaliana DE 25 albumin standard standard clements the Standard standard

/*tage a //13.813 complementary /*tage b complementary //orte**site to which oligonucleotide is bound during mutagenesis*

CC peride. During mutagenesis an oligonuclectide (n9292) is CC hybridised to the opposite strand of the DWs sequence about Sequence 1028 Bp. 712 h. 177 c; 171 c; 25 T;

Ouery Match 1.34; Score 14; DB 1; Length 1028; Berlocal Stallarity 1004, Pred. Ro. 3.4(e-0), 2.4(e-0), Matches 14; Conservative 0; Mismatches 0; Indele 0; Gape 0; Matches 14; Conservative 0; Attaches 2.

ID G65614 standard: CDNA; 1029 BP.

ID G65614 standard: CDNA; 1029 BP.

ID G65614 standard: CDNA; 1029 BP.

ID G65614 standard: CDNA; 1029 CDNA; 1029 CDNA; 1020 CDNA

Db 269 gttcttactctccca 283

US-08-887-977-9.rng Fue Nov 17 08:55:26 1998

Query Match 1.3%, Score 15; DB 11; Length 1029; Best Local Similarity 100:0%, Pred. No. 8:178-601; Dest. Conservative 0; Mismatches 0; Indels 0; Gaps

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Tue Nov 17 08:55:26 1998

259 GITCITACICICCCA 273

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PR W09500065-A. (*tag* c | 100950065-A. (*tag* c | 1009500065-A. (*tag* c | 1009500065-A. (*tag* c | 100950065-A. (*tag* c | 100950065-A. (*tag* c | 1009500-A. (*tag* c | 10095 RESULS. 1995 standard; cDNN to RRN; 1037 BP. D. 082087; standard; cDNN to RRN; 1037 BP. D. 082087; standard; cDNN to RRN; 1037 BP. D. 082087; standard; cDNN to RN colored and the family colling and colling and colling and colling

Owery Match
1.3%, Socre 14; DB 14; Length 1037;
Bert Local Similarity 100, Pred. No. 3.476+02;
Marches 14; Conservative 0; Mismatches 0; Indels 0; Gaps

784 gttcttggcctcct 797

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US-08-887-977-9. rng
Tue Nov 17 08:55:26 1998
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US-08-887-977-9.zng

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PF W091623.A.

PD 01-07-1932.

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PR 10-027-1994: UC-029350.

PR 10-029350.

PR 10-029350.
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TO 1983: Sendard; DNA: 1070 BP.

TO 1983: Sendard; DNA: 1070 BP.

TO 1983: Sendard; DNA: 1070 BP.

TO 16: MAY-1995 Gifter entry)

EL1-2 ER1-1.- ERP Listent extraormer expression kinase family ligand;

RE 17.2 ER1-1.- ERP Listent extraormer expression kinase family ligand;

RE 17.2 ER1-1.- ERP Listent extraormer expression kinase family ligand;

RE 17.2 ER1-1.- ER1-1.-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Ocery Match 1.34; Score 14; DB 18; Kength 1070; Cest Local Similarity 100; Os; Pred No. 3.4%-02; Matches 14; Conservative O; Hismatches O; Indels O; Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Gaps
                                                                                                                                       177 176
029139 standard; mRNA; 1040 BP.
029139 standard; mRNA; 1040 BP.
059408; 1993 (first entry)
059408; 1995 (first entry)
059408; 1997 (first entry)
059
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Ouery Match
1.31; Score 15; DB 5; Length 1040;
Best Local Similarity 100.03; Pred. No. 9.374-01.
Best Local Conservative 0; Mismatches 0; Indels 0;
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81..1028
/*tag= a
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69..73
/*tag* f
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Page 188

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Sepa

Query Match 1.3%; Score 15; DB 1; Length 1040; Best Local Similarity 100 0%; Pred No. 9178+01. Whatches 15; Conservative 0; Minmatches 0; Indels 0;

Page 187

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RESULT 177

AC 190049; standard, DNA; 1040 BP.

AC 190049; standard, DNA; 1040 BP.

AC 190049; standard, DNA; 1040 BP.

BE 18-18-18-18 (first entry)

BE 18-18-18 (first entry)

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P. 13. ACC. 1988; 102.028.

P. 13. ACC. 1988; 102.028.

P. 14. ACC. 1988; 102.028.

P. 15. ACC. 1988; 102.028.

P. 15. ACC. 198.

P. 15. ACC. 1988; 102.028.

P. 15. ACC. 198.

P. 16. ACC. 198.

P. 17. ACC. 198.

P. 17. ACC. 198.

P. 18.

P. 17. ACC. 198.

P. 18.

P. 18.
                                                                                                                                                                                                                                                                                                                                                                                                                              27-JUR-1959 (first entry)
27-JUR-1960 (first entry)
27-JUR-1960 (first entry)
37-JUR-1960 (squarec of sen)
37-JUR-1960 (squarec of s
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Best Local Similarity 100.04, Pred No. 8.79-40, Indels 0; Gaps
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          RESULT 180

TO 177550 standard; DNA: 1087 BP.

AC 77356; J96 (first entry)

TO 13780: J96 (first entry)

TO 18 AC 40 populates: 1, Apul gene; Meloidogyne: tomato; detection;

WA AC 40 populates: 1, Apul gene; Meloidogyne: tomato; detection;

WA AC 40 populates: 1, Apul gene; melastence; sensitivity; amplification;

WA PCR; polymerase chain recetion; agricultural; hybridiastion; ds.

So Incoperation equilation;
US-08-887-977-9. ING
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Sequence 1080 BP; 306 A; 242 C; 303 G; 229 T;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Location/Qualifiers
99..89.
**tag= a
**tag= b
**tag= b
**tag= b
**tag= c
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RESULT 179 ID N91259 standard; DNA; 1080 BP.

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Tue Nov 17 08:55:26 1998

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US-08-887-977-9.rng

Tue Nov 17 08:55:26 1998

Location/Qualiflers
1.184
/*tag= a
/*number= 1
1008..1087
/*tag= b
/*number= 2

exon

SKNW ) SKNW BRAND MILK PRODUCTS.

It should be seen that the seen of the seen that seen the seen the seen that see that seen that see

Query Match 1.3%; Score 14; DB 1; Length 1091; Dest Local Similarity 100; Pred, No. 3.47-602; Carlotte 0; Extense 14; Conservative 0; Mismatches 0; Indels 0; Gaps

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PF 300056671-A. /number= 2

D5-1400-1994; 19961.

R 24-100-1994; 199

Ettttttttttttttttttttttttt

Query Match 134; Score 14; DB 23; Length 1087; Best Local Similarity 100; Pred. No. 3:47e+02; Mcches 14; Conservative 0; Mismatches 0; Indels 0; Gapi

RESULT 187

D 077819 standard; cDRM; 1093 BP.

D 177819 standard; cDRM; 1093 BP.

D 177819 standard; cDRM; 1093 BP.

D 177819 standard; cDRM; 1093 BP.

Egalic parenchymal cell growth factor CDRM.

Repail parenchymal cell growth factor; EGP; 11ver diseases;

RESULT cancer; cliritosida; s.

Egalic parenchymal cell growth factor; EGP; 11ver diseases;

RESULT cancer; cliritosida; s.

RESULT CANCERS (A. 1045)

PROPERTY (A. 1045

Tue Nov 17 08:55:26 1998

US-08-887-977-9.zng

Page 192

05-UNW-1999 (first entry)

CDRA for wild type human L-asparaginase homologue.
L-saparaginase homologue, tretment; malignant tumour;
levkemia; lymphoma, human; ds.
Somo sapiens,
Synthetic. Location/Qualifiers

Disserved Rey
1.1095

Location/Qualifiers
1..1095
/*tag= a
/note= "stop codon not given"

FIRE EPRISON.

TO COMPANY AND THE PROPERTY OF THE PROPERTY OF

Query Match 1134, Score 14; DB 39; Length 1095; Best Local Similarity 100:04; Prefet No. 31-Pe-02; Matches 0; Matches 0; Matches 0; Gaps Matches 14; Conservative 0; Match

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Page 191

RESCIT: 181

TO 006524 steadard, DRN; 1091 BP.

NO 006524 steadard, DRN; 1091 BP.

DE 72-7253-1991 (first eity)

DE 76-00654 protein capable of combining with alpha-fetoprotein enhancer.

NE alpha-fetoprotein; enhancer; human hepatoma calls; ss.

SHOD angless.

PR 9001455-1.

PP 13-80V-1990; J00557.

PR 1901-112519.

Tue Nov 17 08:55:26 1998

US-08-887-977-9.xmg

Query Match 1.3%; Score 15; DB 12; Length 1093; Best Local Similarity 100:04; Pred. Ro. 8:37e+01; Indele Matches 15; Conservative 0; Mismatches 0; Indele

PER EP-811687-A2. //DOCE= *RODG COGON DOC GIVEN.
PD (10-DEC-1597) 103895.
PD (10-DEC-1597) 10389 RESULT 183

D V15711 standard; CDNA to mRNA; 1095 BP.

DO V15711 standard; CDNA to mRNA; 1095 BP.

DO V15711 standard; CDNA to mRNA; 1095 BP.

DO V17711 SPAN (first entry)

RE CONA CO VII (Type human L saparaginase homologue.

RE Loughadighase homologue; tretument; malignant tumour;

SECONA SPAN (Location/Coulifiers)

FR COS STATEST.

LOCATION/CONA (Location/Coulifiers)

FR COS STAN (LOCATION/COULI

1.3%; Score 14; DB 39; Length 1095; Best Local Smilarity 100:0%; Pred, Mo. 3.47e+02; Length 1095; Matches 14; Conservative 0; Mimmatches 0; Indele 0; Gaps

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RESULT 184 ID V15793 standard; cDNA to mRNA; 1095 BP. AC V15793;

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Tue Nov 17 08:55:26 1998
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US-08-887-977-9. rng

Tue Nov 17 08:55:26 1998

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Length 1095;
Query Match
Best Local Similarity 100.0%;
Matches 14; Conservative
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07-JUN-1996: JD-168172.

(RATE) STANSISIENDA SIEDETED KAGAKU.

(RATE) STANSISIENDA SIEDETED KAGAKU.

PRT. 180-100556/03.

MARIAL STANSIS SIEDETED SIEDETED KAGAKU.

MARIAL STANSIS SIEDETED SIED

Query Match 134; Score 14; DB 39; Length 1095; Dest Local Similarity 100:0; Pred Do. 1476+02; Matches 0; Matches 0; Gaps Matches 14; Conservative 0; Matches 145

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RESULT 186

AV V15794 standard: CDRN to mRNA; 1095 BP.

TO GOTO TO THE CONTROL OF RESULT. 913 P. 915 P. 9

Opery Match 13%, Score 15; DB 16; Length 1100; Best Local Similarity 100:0%, Pred. No. 8,378-01; Conserveive 0; Mismatches 0; Indele 0; Gaps Macches 15; Conserveive 0; Mismatches 0; Indele 0; Gaps 10:00 10:00 10:00 10:00 10:00 10:00 10:00 10:00 10:00 10:00 10:00 10:00 10:00 10:00 10:00 10:00 10:00 10:00 10:00 10:00 10:00 10:00 10:00 10:00 10:00 10:00 10:00 10:00 10:00 10:00 10:00 10:00 10:00 10:00 10:00 10:00 10:00 10:00 10:00 10:00 10:00 10:00 10:00 10:00 10:00 10:00 10:00 10:00 10:00 10:00 10:00 10:00 10:00 10:00 10:00 10:00 10:00 10:00 10:00 10:00 10:00 10:00 10:00 10:00 10:00 10:00 10:00 10:00 10:00 10:00 10:00 10:00 10:00 10:00 10:00 10:00 10:00 10:00 10:00 10:00 10:00 10:00 10:00 10:00 10:00 10:00 10:00 10:00 10:00 10:00 10:00 10:00 10:00 10:00 10:00 10:00 10:00 10:00 10:00 10:00 10:00 10:00 10:00 10:00 10:00 10:00 10:00 10:00 10:00 10:00 10:00 10:00 10:00 10:00 10:00 10:00 10:00 10:00 10:00 10:00 10:00 10:00 10:00 10:00 10:00 10:00 10:00 10:00 10:00 10:00 10:00 10:00 10:00 10:00 10:00 10:00 10:00 10:00 10:00 10:00 10:00 10:00 10:00 10:00 10:00 10:00 10:00 10:00 10:00 10:00 10:00 10:00 10:00 10:00 10:00 10:00 10:00 10:00 10:00 10:00 10:00 10:00 10:00 10:00 10:00 10:00 10:00 10:00 10:00 10:00 10:00 10:00 10:00 10:00 10:00 10:00 10:00 10:00 10:00 10:00 10:00 10:00 10:00 10:00 10:00 10:00 10:00 10:00 10:00 10:00 10:00 10:00 10:00 10:00 10:00 10:00 10:00 10:00 10:00 10:00 10:00 10:00 10:00 10:00 10:00 10:00 10:00 10:00 10:00 10:00 10:00 10:00 10:00 10:00 10:00 10:00 10:00 10:00 10:00 10:00 10:00 10:00 10:00 10:00 10:00 10:00 10:00 10:00 10:00 10:00 10:00 10:00 10:00 10:00 10:00 10:00 10:00 10:00 10:00 10:00 10:00 10:00 10:00 10:00 10:00 10:00 10:00 10:00 10:00 10:00 10:00 10:00 10:00 10:00 10:00 10:00 10:00 10:00 10:00 10:00 10:00 10:00 10:00 10:00 10:00 10:00 10:00 10:00 10:00 10:00 10:00 10:00 10:00 10:00 10:00 10:00 10:00 10:00 10:00 10:00 10:00 10:00 10:00 10:00 10:00 10:00 10:00 10:00 10:00 10:00 10:00 10:00 10:00 10:00 10:00 10:00 10:00 10:00 10:00 10:00 10:00 10:00 10:00 10:00 10:00 10:00 10:00 10:00 1

RESULT 188
AC 17313.
D 17313.
AC 17313.
DT 13-NOV-1356 (first entry)
DT 13-NOV-1996 (first entry)
DE Reloidogyne sensitive tomato acid phosphatase 1+ (Apsi+) gene.
DE Reloidogyne sensitive tomato acid phosphatase (acid phosphatase (acid phosphatase)
DE Reloidogyne sensitive tomato acid phosphatase (acid phosphatase)
DE Reloidogyne sensitive (acid phosphatase)
EN Getermination; genotype: resistance; sensitivity amplification;
EN PCR; polymerase chain rection, agricultural, hybridiastics de.

RESULT 187

10 905139 standard; CDRA; 1100 BP.

DE CONTROL OF CONT

/*tag= a /bote= *stop codon not given*

EP-811697-A2. /note= *top codon not given |
D 10-DE-1995.
D 10-DE-1995. use. Or)peptide having L-asparaginase activity, can be used Lygant tumours, leukacmia and lymphoma. 1095 BP: 189 A; 347 C; 359 G; 200 T;

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US-08-887-977-9. xmg

Tue Bov 17 08:55:26 1998

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misc_signal misc_signal misc_signal

US-08-887-977-9.xmg

lentum. ocation/Qualifiers

77 308056671-A. //number= 2
PD 05-MAR-1956.
PD

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RESULT 189

OC 22439 standard, cDRA, 1104 BP.

AC 02249 standard, cDRA, 1104 BP.

CO 020 tumour sacciated antigen CDRA.

CO 020 tumour sacciated antigen CDRA.

M concert, vaccinia virus; diagnostic; PCR; sa.

KM concert, vaccinia virus; diagnostic; PCR; sa.

FR New sapiens.

PR New capiens 138.852

Tue Nov 17 08:55:26 1998

1..184 /*tag= a /number= 1 1024..1103 /*tag= b /number= 2

Query Match 1.3%; Score 14, DB 23; Length 1103; Best Local Similarity 100.0%; Pred Bo. 3.478-40; Date Marches 14; Conservative (); Mismatches (); Indela (); Gaps

712 ttgctttttataag 725 ||||||||||||||||| 185 TTGCTTTTATAAG 198 a

polya_site

/*cage a /*cage a /*cage b /*cage b /*cage b /*cage b /*cage b /*cage c //cce **consensus for translation initiation of //cce **consensus for translation initiation of //cce **consensus for manalation initiation of //cce */consensus for manalation initiation of //cce */consensus for manalation initiation of //cce //cce

PP-478146-A. //tag= e. 01-4787192. 01-4787192. 30-405-1991; 307957. 31-405-1990; 198-575567. [Lineabach A. Koprowski H. Szala S; P-57895; R. 221860; R. 221860.

Match 134; Score 14; DB 3; Length 1104; Local Similarity 100:03; Pred. Ro. 3.478-02; Indels 0; Gaps es 14; Conservative 0; Mismatches 0; Indels 0; Gaps Query Mato Best Local Matches

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PR W03308266-A.
PD 97-APR-1933.
PD 97-APR-1933
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Types standard; DNA, 1164 BP.

AC TYSES tandard; DNA, 1164 BP.

DY TYSES CANDER CA
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                                                                                                                                                               /*tag= a
1042..1132
/*tag= b
954..960
/*tag* c
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296..301
/*tag= c
320..325
/*tag= d
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|||||||||||||||||||531 ccaaaatacaaca 544
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      Page 197
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                                                                                                                                                                                                                    RESULT 130

MONTH Standard; DNA; 1119 BP.

MONTH STAND (LITT CENTY)

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D 037062 standard; DNN, 1132 BP.
KD 037062 standard; DNN, 100062 SP.
KD 037062 SP.
KD
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match 1.34, Score 15; DB 14; Length 1119; De best Local Similarity 100:0; Pred No. 8, 30-01; Matches 15; Conservative 0; Mismatches 15; Conservative 0; Mismatches 15; Conservative 15; Conservative 15; Conservative 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match
1.3%; Score 14; DB 3; Length 1152;
Best Local Similarity 100.0%; Pred 18:0.3.470-02; Indels 0; Gaps
Matches 14; Conservative 0; Mismatches 0
      US-08-887-977-9. xmg
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D 001458 standard: DNA, 1161 BP.
D 014580 standard: DNA, 1161 BP.
TY 22-A05-1933 (first entry)
D 30 AD Borrelia burgdorferi protein.
NN Virolent: Lyme disease; entigen: se.
PR Key fils burgdorferi 931.
Dockton/Qualifices
FT cds 7-15_signal 723-227
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Page 200

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Tue Nov 17 08:55:26 1998
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PH GB300477.A.

PD 28-WA-1999.

PD 28-WA-1999.
685..1164
/*tag= c
/number= 16
/note= "Start of intron 16"
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Onery Match 1.33; Score 14: DB 35; Length 1164; Beat Local Similarity 100:04; Pred. No. 3.476+02; Matches 14; Conservative 0; Mismatches 0; Indels 0;

g

US-08-887-977-9. Ing /product= KL-Sl_d 106..180 /*tag= b Tue Nov 17 08:55:26 1998 signal_peptide misc_feature primer_bind primer_bind primer_bind

Discioury The State of State /*tgg***
// Abble insert
// Ab

Ouery Match 1.39; Score 14; DB 1; Length 1204; Best Local Similarity 100:09; Pred. Ro. 3.474-06; Indels Matches 14; Conservative 0; Mismarches 0; Indels

RESULT 196

A 055012 standard; DNA; 1229 BP.

A 055012 standard; DNA; 1229 BP.

DE M.-81.4 gen.

FOR Conceptual Conceptua ĉ a

US-08-887-977-9. ING

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Page 204

cc amino scide. The truncated protein would include all 4 W-linked cylycosylation sites present in sol. fd. but would lack the trans-cc membrane and cytoplanatic domain. See also 2333-22334 had for 035011. Is and 16. # 343 A; 268 C; 277 G; 341 T;

Query Match 1.34; Score 14; DB 3; Length 1239; Best Local Similarity 100; Pred. No. 3.47e-02; Indels Marches 14; Conservative 0; Mismatches 0; Indels

(s) of Plasmodium falciparum merozoite antigen, aria vaccines

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Page 201

Tue Nov 17 08:55:26 1998

US-08-887-977-9.xmg

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Tue Nov 17 08:55:26 1998
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US-08-887-977-9.xng

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It differs from genomic DRN in R1 isolates of P. falciparum at 3 codons (see n.0733). Planacodum facilitaring memorate antigen combe compared to an affiliative peptide, or adopted or covalantly become consideration. The second consideration is an isolated and the definition of a carrier. It is affiliative, are useful as immunopens in anti-rankla veccines Antibodies directed against it are useful for Sequence 1334 BP: 471 A: 186 C; 229 G; 368 T;
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Query Match 1.3%; Score 14; DB 1; Length 1254; Ber Local Similarity 100(04; Preck No. 3476+02). Marches 14; Conservative 0; Mismatches 0; Indels 0;

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RESULT, 199
AC 02020; standard; DNA; 1260 BP.
AC 02020;
DE ML-2 gene.
RN erythropotetin; EPO, interleukin; IL, anaemia; leukemia; AIDS;
NN stell Journa; M locus; ss.
Cos Mus musculus.
Location/Qualifiers
FF cds
AC 106..89
FF cds
FF c
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PR 907327700-A.
Proper 1994; 12613.
Proper 1994; 12614.
Proper 1996; 12614.
Proper 199
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a à

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RESULT 200

10 712195; 95 standard; DNA; 1263 BP.

11 712195; 95 (first entry)

12 Adentities of abstraction; 7 fragment, represents residues 1645-2907.

12 Adentities of abstraction; 7 fragment, represents residues 1645-2907.

13 Adentities than fraction; 7 fragment, represents residues 1645-2907.

14 Adentities than fraction; 7 fragment, represents residues 1645-2907.

15 Adentities of a fraction of adentities; 7 fragment, represents residues 1645-2907.

15 Adentities 10 fraction of adentities of adentities of adentities and adentities of adentities and adentities of adentities of adentities of adentities and primers used of a fraction and adentities of the sequences of pression to 733465-74 presents exon fragments derived
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Query Match 13%; Score 14; DB 19; Length 1263; Bet Local Similarity 100;0%, Pred 100;34,76+02; Indels 0; Gaps Matches 14; Conservative 0; Mimmatches 0; Indels 0; Gaps

171 taacatggtcctgc 184 ||||||||||||||||| 783 TAACATGGTCCTGC 796

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US-08-887-977-9. rng

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PF PP-34901A.

PD 03-748-1990.

PD 03-74
from different subtypes of adenovirus using the primer and probe agreement given in 710.67-90. These primers and probe are used in the decrement of adenovirus. An adenoviral second of a denovirus. An adenoviral second of a denovirus. An adenoviral second of the subtype and subtype specific sequence and the subtype in a subtype specific sequence and it is detected. The primers used for the maintained allows reliable, rapid and easy detection and identification of the subtype of edenovirus. Second and identification Sequence 1503 BP. 308 A. 366 C. 258 G. 314 T.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match 13%; Score 14; DB 19; Length 1263; Best Local Similarity 100;0%; Pred. No. 3.478-402; 1. Macches 14; Conservative 0; Minmatchies 0; Indels 0; Gaps
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AC 003065; Arroaded DRA, 1269 BP.

DI 10-WAR-1299 (first entry)
DI 06-UNA-1299 (first entry)
DI 06-UNA-1299 (first entry)
DI 06-UNA-1299 (first entry)
DI 06-UNA-1299 (first entry)
DI 10-MA-1299 (first entry)
DI 10-MA-129
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PR W09203459-A. /note="antidense"

PR 05-MR-1992.

PR 05-MR-1992.

PR 05-MR-1993.

PR 1971.

PR 05-MR-1993.

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PR 05-MR-1993.

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PR 05-MR-1993.

PR 05-MR-1993

Query Match 13% Score 14; DB 3; Length 1260; Best Local Similarity 100; Pred 18; No. 3:478-402; Undels 0; Gaps Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps

RESURD 199

TO 729163, 199

TO 729161, 1986 (first entry)

DE Adenovitus 1 subtype ( Aft.) fragment, represents residues 1645-2907.

W Polymerase chain reaction; PCR ampliffy primer; probes detection; M Adentification adenovitus; exon region; serotype; subtype; ds.

S Assatelacovitus.

Ocery Match
1.3%; Score 14; DB 1; Length 1269;
Best Local Similarity 100:04; Pred No. 3.474-02;
Matches 14; Conservative 0; Mismatches 0; Caps

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Toxoplesma gondin pag genomic sequence.
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AC 712370 standard: DNA, 1276 BP.

B. 10-027-1997 (first entry)

B. 10-027-1997 (brief)

B. 10-027-1997 (
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     CCR genes (794534-5). The alfalfa and make CCR genes can be used to transform plants only annie of the corect transgenic plants in which lighth biosymhesis a required so that lighth content is higher or lower than in norm
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match

1.34, Score 14; DB 35; Length 1273;
Bet Local Similarity 10:00, Pred No. 3.47840;
Bet Local Similarity 10:00, Pred Nimmatches 14; Conservative 0; Mimmatches 0; Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               The state of the s
US-08-887-977-9. zng
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Location/Qualifiers
2..946
/*tag= a
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                standard; cDNA; 1271 BP
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TOWNER TOWNER TO THE TOWNER TO

Page 212

Score 14; DB 35; Length 1296; Pred. No. 3.47e+02; 0; Mismatches 0; Indels 0; Query Match 1.3%; Best Local Similarity 100.0%; Matches 14; Conservative

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Query Match
1.3%, Score 14; DB 33; Length 1276;
Best Local Similarity 100:04, Pred. No. 3.478-02;
Best Local Similarity 100:04, Pred. No. 3.478-02;
Best Local 14; Conservative 0; Mismatches 0, Indels 0; Gaps

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RESULT 205 ID T94510 standard; DNA; 1296 BP. AC T94510;

g ď

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Page 213
   US-08-887-977-9. ING
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ESSULT 706

TO 199906 standard: DNA, 1236 BP.

TO 199906 standard: DNA, 1230 Contional Standard: SNA, 1230 Contional Snatteners of Toxoplasma good! daynosic respont as.

TO 199906 SNA, 110.117 (Annual Laxable BP.)

TO 19990 SNA, 1999 SNA, 1999 SNA, 1999, Annua SD.)

TO 19990 SNA, 1999 SNA, 19990 SNA, 1999, Annua SD.)

TO 19990 SNA, 1999 SNA, 19990 SNA, 1999, Annua SD.)

TO 19990 SNA, 1999 SNA, 19990 SNA, 1999 SNA, 19
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Frobing value of the state of t
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PT USS53133-A. /note= "Claim 14"

PD 77-MA-1397

PD 77-MA-1397

PD 77-MA-1397

PR 07-MO-1397

PR 07-MO-1397

PR 07-MO-1397

PR 127-291327, 027

PR 127

NESULE 207

ID 768921

For 11-ACD 1997 (fitter entry)

DE MINOT 1997 (fitter entry)

TOXAD14839 GOODGID 789 gene.

NEW PROPERTY CONTINUED TO THE STAIN.

TOXAD14839 GOODGID 789 gene.

NEW PROPERTY CONTINUED TO THE STAIN.

TOXAD14839 GOODGID 88 STAIN.

TOXAD1397 TOXAD1397 TOXAD189 GOODGID 88 STAIN.

PROPERTY 1997 GOODGID 1997 GO

Query Match
1.3%; Score 14; DB 30; Length 1296;
Best Local Similarity 100:0%; Pred. No. 3.47-40;
Matches 14; Conservative 0; Hismatches 0; Gaps

921 aaaaagcaaaggtg 934

9 B

Outery Match 1.3%; Score 14, DB 18; Length 1296; Best Local Similarity 100.0%; Pred No. 3.47-42; Matches 14, Conservative 0; Mismatches 0; Indels 0; Gaps

Cp 193 AAAAGCAAAGGTG 180

NESOUR 108

Ill08 standard; CDNA to mRNA; 1302 BP.

Ill08 standard; CDNA to mRNA; 1302 BP.

Alsocials of (Little entry)

Main 11, 100

Main

Ouery Match
1.34; Score 14; DB 20; Length 1302;
Best Local, 3.47+002; Pred. No. 3.47+002;
Machon 3.4; Conservative 0; Manatches 0; Indels 0; g

Gaps

RESULT 109
10 Ti6091 standard: cDNA to mRNA; 1310 BP.
2 Ti6091.
DT 14-MNT-1096 (first entry)
DT 74-WNT-1096 (first entry)
DT 77-W nuclear inclusion-a procease cDNA.
W Potyvitus, nuclear inclusion-a procease, autolysis; protein fusion;
KW Potyvitus, nuclear inclusion-a protesse; autolysis; protein fusion;
KM cleavage: chloroindophenol; glutachione reducing protein;

Tue Nov 17 08:55:26 1998

Clover yellow vein virus.

Key Coation/Qualifiers
mat_peptide 10.1311
/*tag* a

Tue Rov 17 08:55:26 1998

Page 215

Page 216

PET AUR9234970-A. Principa a principal princip

Query Match 13%; Score 14; DB 18; Length 1320; Best Local Similarity 100:08; Pred. No. 3.474-07. Matches 14; Conservative 0; Mismatches 0; Indels 0

ç g

RESUIT 210
T49371 standard; DNN; 1329 BP.
KC 749371; standard; DNN; 1329 BP.
DD 65-EEP-1997 (first entry)
DF Dacuse carcotta hydroxy phenyl pyr
KN 4-14-CEP-27 (methylsalphonyl)benyo
KN 4-CEP-27 (methylsalphonyl)benyo
KN 4-CEP-27 (methylsalphonyl)benyo
KN 4-CEP

Page 214

US-08-887-977-9. zmg

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US-08-887-977-9. rng
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Query Match 1.3%; Score 14; DB 31; Length 1329; Best Local Smilarity 100,0%; Pred Ro. 3.767407; Merches 14; Conservative 0; Mismatches 0; Indels 0; S. g

RESULT 211

NO 021010 standard; DRN; 1344 BP.

NO 02101-192 (first entry)
DE ML-192 (first entry)
DE ML-19 (first

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Query Match 1.3%; Score 14; DB 9; Length 1344; Best Local Similarity 100.0%; Pred. No. 3.47e+02;

US-08-887-977-9.mg

protein. The different transcripts were found to be expressed in tissue-exist manner. et also 022331-02339, QS5011, 12, 15 and 16. Sequence 1344 BP; 381 A; 289 C; 303 G; 371 T;

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Query Match 1.3%: Score 14; DB 3; Length 1344; Deri Local Similarity 100; 04; Pered Ro. 3.476+02; Marches 14; Conservative 0; Mismatches 0; Indels 0;

PR W0931995-A.
PUT-1993.
P D 501788 standard: DNA, 1344 BP.

AC 501788.

D 707788.

D 707789.

The four the netry)

Ext. (proconcegors) ligand (KL).

Ext. (proconcegors)

Page 219

US-08-887-977-9.rng

ő 0; Mismatches 0; Indels Matches 14; Conservative 

PER W02207942-A. (**tag= b)

PD 14-MAY-1992.
PD 14-MAY-1992.
PD 14-MAY-1992.
PD 1872-PR-01257-B.
PR 11-077-1990, PR-01257-B.
PR 11-077-P.
PR 11-077-P RESULT 111

O23180; tendard; DNA; 1147 BP.

CON CONTROL Section was antibodic resistance gene.

DE Enterococus Escelum vas antibodic resistance gene.

Enterococus Estatos.

Ent

Page 217

Tue Nov 17 08:55:25 1998

/*tag= c /note= *spliced out in KL-2* 660..902

Page 218

ag* d
te= 'deleted in Sl_d mutant'

misc_feature

primer_bind

primer_bind primer_bind

/*tag= 9 /label= primer_#3 /note=antisense= 1317..133 /rag= h /label= primer_#4 /note=antisense= primer_bind

old_sequence

/*tag= i /note= *see comments

W09201459-A.

FIGURE 1992

TO AND 1992

TO AND 1993

TO A

ichaboyenes, recognition and an action isolated from a CDNA library recognition and action isolated from a CDNA library in sequence was obtd. from Balby 2 13 filthoolbars. It encodes the C-rit recoptor lighted, KL-l. The sequence was found to be 'in a signature of the previously published sequence accept for a single base with previously published sequence accept for a single base for the substitution of Ser 205 with Alf 640.6 cmodding Pro). PGR was used to investigate the creaming a factority spliced KRN transcripts. Electrophorous and latenatively spliced KRN transcripts. Electrophorous form and the substitution of the substitution of the substitution of the substitution of the sequence of alternatively spliced KRN transcripts. Electrophorous forms of the substitution of th

Page 220

Tue Nov 17 08:55:26 1998

Query Match 1.33; Score 14; DB 4; Length 1347; Best Local Similarity 100.04; Pred. Ro. 3.476+02. Reaches 14; Conservative 0; Mimmatches 0; Indels 0;

US-08-887-977-9. ING

Tue Nov 17 08:55:26 1998

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PF EP-507100A.

PD 7-072-1393.

PD 7-072-1393.
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1.3%; Score 14; DB 5; Length 1354;
Best Local Similarity 100.0%; Pred No. 3.478+02;
Matches 14; Conservative 0; Mismatches 0; Gaps
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D 070842 standard, cDNA, 1360 BP.
A 30-NX-1992 (first entry)
DT SNATH mast cell growth factor cDNA clone mWGP-94.
Cal-MAR-1993 (first entry)

Ruman calcium channel 27960/4.

Plasmid pl247-10.1.1; Ca-flux assay; ss.

Romo saplens.
                                                                                                                                                                                                                                   Key Location/Qualifiers
misc_difference 1250
                                                                                                                                                                                                                                                                                                                                                                                        /tag a /rag a /r
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Tue How 17 08:55:26 1998
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PR 092010376.A
PERSULT 214

TO 079219 standard; CDNN; 1148 BP.

AC 0782193 (first entry)

The 0782193 (first entry)

The 1782193 (first entry)

TO 179221606.4 (first entry)

TO 179221
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Outery Match
Outery Match
1.33; Score 14: DB 3; Length 1360;
Best Local Similarity 100:09; Pred. No. 3.76+02;
Matches 14; Conservative 0; Mismatches 0; Indels 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Hematopoietin; interleukin; IL-3; c-kit oncogene; mouse;
proliferation; ss.
Mus musculus.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Location/Qualifiers
150..24
/*tag= a
225..920
/*tag= b
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ID Q29262 standard; DNA; 1354 BP.
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Key signal_peptide mat_peptide

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TABLE STATE EXECUT: 138

10 79146; standard; DNA: 1362 BP.

79146; 721446; 7214146; first entry)

DT 1274N:1999 (first entry)

PYCOMACTELIM tuberculosis antigen ThEal? encoding DNA.

NA Antigen; immunogen; vecting; tuberculosis; non specific adjuvant;

NA Akin testing; M:tuberculosis; ss. Antigen; immunogen; vaccine; tuberculosis; non specific adjuvant; skin testing; Nt. tuberculosis; ss.
Rey Pocketerium tuberculosis.
Rey Cockton/Qualifiers
88.1112
05.1122 Query Match 1.34; Score 14; DB 34; Length 1362; Pet No. 3.47#+02. Smillarity 100; 04; Pet No. 3.47#+02. Marches 14; Conservative 0; Mismatches 0; Indels 0; 

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Tue Nov 17 08:55:26 1998
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US-08-887-977-9.rng

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US-08-887-977-9. rng

Tue Nov 17 08:55:26 1998

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Location/Qualifiers
3..1370
/*tag= a
/product= CT4-EPSPS

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m tuberculosis.
Location/Qualiflers
89..1122
/*tag= a
/product= Antigen_TbRa17
```

PH 055722313A. /PROGUCCE-LIAILEDGE
PH 050723313A. PROGUCCE-LIAILEDGE
PH 050721393. S33941.
PH 16. NRV-1395. S33941.
PH 16. NRV-1395. G-53344.
PH 16. NRV-1395. G-5344.
PH 16. NRV-1394.
PH 16.

Query Match 1.3%; Score 14, DB 39; Length 1377; Best Local Similarity 100.0%; Pred. Ro. 3.474-02. Marches 14; Conservative 0; Mimmatches 0; Indels 0;

95 ccacaggtccttca 108

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Query Match
1.3%; Score 14: DB 34; Length 1362;
Best Local Similarity 100.0%; Pred. No. 3.47-60;
Matches 0; Indeas 0; Gaps
Matches 0; Indeas 0; Gaps

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US-08-887-977-9. ID

PR 31-AUG-1990; US-57637.

PR 13-AUG-1994; US-77631.

PR 13-EP-1994; US-76611.

PR 13-EP-1994; US-70661.

PR 13-EP-1994; US-7061.

PR 13-EP-1996; US-7061.

PR 13-EP-1994; US-7061.

PR 13-EP-1996; US-7061.

PR 13-EP-1994; US-7061.

PR 13-EP-1

Query Match 1.39; Score 14; DB 32; Length 1377; Best Local Similarity 100;01; Pred. No. 3476+02; Marches 14; Conservative 0; Mismarches 0; Indels 0;

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RESULT 221
D 021221 standard; DNA; 1377 BP.
C 021221 STANDARD COLOR IN THE SECONDARD COLOR COLOR

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US-08-887-977-9. ING

02-027-1997 (first entry)
D2-027-1997 (first entry)
EPSPS DRA having sequence altered for increased expression in plants.
S-enclayerustalkinate-1-phosphare synthase; EPSPS Glass II;
Glyphosate resistant; transgenic plant; harbicide; shikhaic acid; fision protein; soybean; corn; wheat; barkey; cotton; sugarbeet; photoco; ds.

| RESULT | 220 | Rendand, DNA, 1377 BP. | 277334 standand, DNA, 1377 BP. | 27734 | 2774 | 2774 | 2774 | 2774 | 2774 | 2774 | 2774 | 2774 | 2774 | 2774 | 2774 | 2774 | 2774 | 2774 | 2774 | 2774 | 2774 | 2774 | 2774 | 2774 | 2774 | 2774 | 2774 | 2774 | 2774 | 2774 | 2774 | 2774 | 2774 | 2774 | 2774 | 2774 | 2774 | 2774 | 2774 | 2774 | 2774 | 2774 | 2774 | 2774 | 2774 | 2774 | 2774 | 2774 | 2774 | 2774 | 2774 | 2774 | 2774 | 2774 | 2774 | 2774 | 2774 | 2774 | 2774 | 2774 | 2774 | 2774 | 2774 | 2774 | 2774 | 2774 | 2774 | 2774 | 2774 | 2774 | 2774 | 2774 | 2774 | 2774 | 2774 | 2774 | 2774 | 2774 | 2774 | 2774 | 2774 | 2774 | 2774 | 2774 | 2774 | 2774 | 2774 | 2774 | 2774 | 2774 | 2774 | 2774 | 2774 | 2774 | 2774 | 2774 | 2774 | 2774 | 2774 | 2774 | 2774 | 2774 | 2774 | 2774 | 2774 | 2774 | 2774 | 2774 | 2774 | 2774 | 2774 | 2774 | 2774 | 2774 | 2774 | 2774 | 2774 | 2774 | 2774 | 2774 | 2774 | 2774 | 2774 | 2774 | 2774 | 2774 | 2774 | 2774 | 2774 | 2774 | 2774 | 2774 | 2774 | 2774 | 2774 | 2774 | 2774 | 2774 | 2774 | 2774 | 2774 | 2774 | 2774 | 2774 | 2774 | 2774 | 2774 | 2774 | 2774 | 2774 | 2774 | 2774 | 2774 | 2774 | 2774 | 2774 | 2774 | 2774 | 2774 | 2774 | 2774 | 2774 | 2774 | 2774 | 2774 | 2774 | 2774 | 2774 | 2774 | 2774 | 2774 | 2774 | 2774 | 2774 | 2774 | 2774 | 2774 | 2774 | 2774 | 2774 | 2774 | 2774 | 2774 | 2774 | 2774 | 2774 | 2774 | 2774 | 2774 | 2774 | 2774 | 2774 | 2774 | 2774 | 2774 | 2774 | 2774 | 2774 | 2774 | 2774 | 2774 | 2774 | 2774 | 2774 | 2774 | 2774 | 2774 | 2774 | 2774 | 2774 | 2774 | 2774 | 2774 | 2774 | 2774 | 2774 | 2774 | 2774 | 2774 | 2774 | 2774 | 2774 | 2774 | 2774 | 2774 | 2774 | 2774 | 2774 | 2774 | 2774 | 2774 | 2774 | 2774 | 2774 | 2774 | 2774 | 2774 | 2774 | 2774 | 2774 | 2774 | 2774 | 2774 | 2774 | 2774 | 2774 | 2774 | 2774 | 2774 | 2774 | 2774 | 2774 | 2774 | 2774 | 2774 | 2774 | 2774 | 2774 | 2774 | 2774 | 2774 | 2774 | 2774 | 2774 | 2774 | 2774 | 2774 | 2774 | 2774 | 2774 | 27

Location/Qualifiers 3..1370 /*tag= a

Page 228

Disclosure; Fig 8; 148pp; English.

CD The sequence is that of a synthetic class II S'-enolpyruvjshilkhate-3 composible synthase engue (EPSPS) gene. It can be used to create those phase annuals or seeds by transforming plant cells. Chese phase an be planted in a field of crops to selectively control composible selected for are e. 9, com, wheat, rice, oliseed cape, rape, those phase and faile. This provides a cost effective, occupate, occupantally competible weed control device.

CG enticonmentally competible weed control device.

CS es also 027744-Q22761.

Query Match 1.34; Score 14: DB 3; Length 1377; Best Local Similarity 100 04; Pred Rev. 3.476+03. Matches 14; Conservative 0; Mismatches 0; Indels 0;

Description of the property of LT 222 T93791 standard; DNA; 1377 BP. T93791;

US-08-887-977-9. xmg

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US-08-887-977-9. rng

Tue Nov 17 08:55:26 1998

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to transform petunia plants. This plants contained the genes for chloroplast transit peptide (CTF2) (627200) and the CP4 synthetic S-enclopruvit-1-shiktmes phosphate synthetic grosps) gene (627201) which is capable of conferring resistance to glyphosate. The plantid deminant the 1-animorpic preparal-technolytic acid (ACC) leaving ene (see also G27199). The transformed plants had ethylene leaving resistance on the control, untransformed plants and charge and control and leaves and leaves when compared to untransformed plants and leaves when compared to untransformed plants ensesence flowers and leaves when compared to untransformed plants ensesence sequence 1377 89; 778 A; 334 C; 355 G; 400 T;
     8888888888
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continuitied by the herbicide glyphosate. It would be useful to produce transparent crops containing alphosate resistance genes so that the crops containing alphosate resistance genes so that the cross containing alphosate resistance genes so that the cross containing alphosate resistance genes so that the containing herbicides can be applied to selectively All cross of a plant of the cross o

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Ocery Match 137; Score 14; DB 35; Length 1377; Best Local Similarity 100:04, Pred. No. 3-74-67; Indels 0; Gaps Marches 14; Conservative 0; Minmatches 0; Indels 0, Gaps

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Location/Qualifiers 3.1370 /*tag= a

ö Query Match 1.3%; Score 14; DB 4; Length 1377; Best Local Smilarity 100.04; Pred. No. 3.47+07; Market 14; Conservative 0; Mismatches 0; Indels Matches 14; Conservative 0; Mismatches 0; Indels

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G.
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RESULT 124

TO 194469 standard, CDNA, 1393 BP.

TO 194469 standard, GDNA, 1393 BP.

TO 194469 standard, GDNA, 1393 BP.

TO 204469 standard disease atherospherial cells.

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contentified were novel gene for fail and a treas of unusual circulatory flow. Also contentified were novel gene for fail y. Which is a furnished when the furnished in the fail and the fa 888888888888888888888888

Ouery Match
1.3%; Score 14; DB 36; Length 1393;
Best Local Similarity 10:0%; Pred. No. 3.478-07;
Marches 14; Conservative 0; Mismatches 0; Indels 0; Gaps

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| No. | No.

.i= Intron 6. .d3..1057 /*tag= e

Page 231

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Page 232

US-08-887-977-9. xng

/*tag* 9 /mote* "Unidentified nucleotide." /label= Exon 7. 1058..1410 /*tag= f /label= Intron 7. misc_feature misc_feature intron

/*tag= h /note* "Unidentified nucleotide."

W0951597-A.

W07051597-A.

W0707-BY DEATH OF THE CONTRIBUTION OF T receptor. Sequence 1410 BP;

Query Match 134, Score 14; DB 24; Length 1410; Best Local Similarity 1000; Pred No. 1.476-02; Locals 14; Conservative 0; Minmatches 0 Indels 0; Gaps 291 A; 501 C; 360 G; 256 T;

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PER 17-100-1397: 000-002.

PER 11-100-1397: 000-002.

PER 12-100-1308: Mathur EJ. Swanson RV:

PER 12-100-1308: Mathur EJ. Swanson RV:

PER 13-100-1308: Mathur EJ. Swanson EJ.

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PER 1
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DO 90402 standard; DNA; 1442 BP.

DO 90402 standard; DNA; 1442 BP.

DE 6 NAVA; 1995 (first entry)

DE 7 SAVA; 1995 (first entry)

NA ALD SAVA; DA SAVA; Tegion.

NA ALD SAVA; DA SAVA; Tegion.

NA ALD SAVA; DA SAVA; DA
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115-007-1993, 108606.

115-007-1993, 108606.

(INRW ) INST RAT BATE & RECH HEDICALE.

PRT, 95-1731/29.

PRT
                                                                                                                                                                                                                                                                atrand with actor; lactared decoubsylase activity, for use in Claim 1; 1913. 1399; English diacety content Claim 1; 1913. 1399; English diacety content Claim 1; 1913. 1399; English diacety content Encouper coding for ALDC is closed from the genoic library of Encouperra serogene. For all 1913, feast transferced with ALDC gene actions a fallowing to produce alpha-acetolactate and is useful, in proda of alcoholic beverages esp. beers. The resulting beverages orderish little or no discorty, so long-term aging to eliminate discort codor is not necessary.
                     US-08-887-977-9. rng
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Pred. No. 3.47e+02;
0; Mismatches 0
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Best Local Similarity 100.0%;
Matches 14; Conservative
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                     Page 233
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PP 21-NWT-1997 BED121.

PP 21-NWT-1997 BED121.

PR 21-NWT-1997 BED121.

A (EURO-) FART BED121.

PR 21-NWT-1995 BED121.

PR 21-NWT-1997 BED121.

PR 21-NWT-19
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The serving serving the serving serving
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13%, Score 15; DB 36; Length 1429;
Best Local Similarity 100:0%, Pred. No. 8.78+01;
Matches 15; Conservative 0; Himmatches 0; Gaps
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1.34, Score 14; DB 15; Length 1442;
Seef Local Similarity 100.04; Pred. No. 3.478-02;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps
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Claim 2, 896 21-22, 4199; English. Claim 2, 996 21-23, 996 21-23, 996 21-23, 996 21-23, 996 21-23, 996 21-23, 996 21-23, 996 21-23, 996 21-23, 996 21-23, 996 21-23, 996 21-23, 996 21-23, 996 21-23, 996 21-23, 996 21-23, 996 21-23, 996 21-23, 996 21-23, 996 21-23, 996 21-23, 996 21-23, 996 21-23, 996 21-23, 996 21-23, 996 21-23, 996 21-23, 996 21-23, 996 21-23, 996 21-23, 996 21-23, 996 21-23, 996 21-23, 996 21-23, 996 21-23, 996 21-23, 996 21-23, 996 21-23, 996 21-23, 996 21-23, 996 21-23, 996 21-23, 996 21-23, 996 21-23, 996 21-23, 996 21-23, 996 21-23, 996 21-23, 996 21-23, 996 21-23, 996 21-23, 996 21-23, 996 21-23, 996 21-23, 996 21-23, 996 21-23, 996 21-23, 996 21-23, 996 21-23, 996 21-23, 996 21-23, 996 21-23, 996 21-23, 996 21-23, 996 21-23, 996 21-23, 996 21-23, 996 21-23, 996 21-23, 996 21-23, 996 21-23, 996 21-23, 996 21-23, 996 21-23, 996 21-23, 996 21-23, 996 21-23, 996 21-23, 996 21-23, 996 21-23, 996 21-23, 996 21-23, 996 21-23, 996 21-23, 996 21-23, 996 21-23, 996 21-23, 996 21-23, 996 21-23, 996 21-23, 996 21-23, 996 21-23, 996 21-23, 996 21-23, 996 21-23, 996 21-23, 996 21-23, 996 21-23, 996 21-23, 996 21-23, 996 21-23, 996 21-23, 996 21-23, 996 21-23, 996 21-23, 996 21-23, 996 21-23, 996 21-23, 996 21-23, 996 21-23, 996 21-23, 996 21-23, 996 21-23, 996 21-23, 996 21-23, 996 21-23, 996 21-23, 996 21-23, 996 21-23, 996 21-23, 996 21-23, 996 21-23, 996 21-23, 996 21-23, 996 21-23, 996 21-23, 996 21-23, 996 21-23, 996 21-23, 996 21-23, 996 21-23, 996 21-23, 996 21-23, 996 21-23, 996 21-23, 996 21-23, 996 21-23, 996 21-23, 996 21-23, 996 21-23, 996 21-23, 996 21-23, 996 21-23, 996 21-23, 996 21-23, 996 21-23, 996 21-23, 996 21-23, 996 21-23, 996 21-23, 996 21-23, 996 21-23, 996 21-23, 996 21-23, 996 21-23, 996 21-23, 996 21-23, 996 21-23, 996 21-23, 996 21-23, 996 21-23, 996 21-23, 996 21-23, 996 21-23, 996 21-23, 996 21-23, 996 21-
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Query Match 1.3%; Score 14; DB 2; Length 1431; Best Local Similarity 100 09; Pred. No. 3.47e-02; Indels Matches 14; Conservative 0; Mismatches 0; Indels

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Page 236

Length 1443;

Othery Match 1.3; Score 14; DB 36; Length 1446; Best Local Similarity 100.04; Pred. No. 3.476+02; Marches 14; Conservative 0; Mismarches 0; Indels 0;

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Page 239

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(087718-32), and yeast WADPH-P450 reductase, either as a fused protein or in cell extracts, and analysing the resulting metabolite to assess the safety of the chemical compound. The method is useful for determining whether the chemical compound, or its metabolite, will be converted into a carcinogenic or mutagenic form through metabolism in the liver. Sequence 1473 BP; 425 A; 313 G; 400 T;
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Query Match 13%; Score 14; DB 3; Length 1450; Beat Lough 1450; Match Lough Similarity 100:09; Pred. No. 3.47-402; Indels Matches 14; Conservative 0; Minnacches 0; Indels

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(08772) standard; ODMs; 1473 BP.
(08772) standard; ODMs; 1473 BP.
(18772) 125-800*-1595 (first entry)
(18772) 125-800*-1595 (first entry)
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1416. Anotes G to A change in variant 1 changes amino acid from Arg to Lys*. /*tag* b /note= "A to G change in wariant 1 changes amino acid from Lys to Arg* variation

Problem (M.47). Gatery of a chemical opd. - using recombinant yeast
restluction of safety of a chemical opd. - using recombinant yeast
restluction of sequence of the chemical operation of the control o

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Query Match
1.3%; Score 15; DB 22; Length 1473;
Best Local Similarity 100:0%; Pred. No. 8.37e-01;
Maktchee 15; Conservative 0; Mismatchee 0; Indels 0; Gaps

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US-08-887-977-9. Ing

Query Match 13%; Score 15; DB 15; Length 1473; Bast Local Smilatity 10; ON: Pred. Mo. 8:774-01; Indels 0; Gaps Matches 15; Conservative 0; Himmatches 0; Indels 0; Gaps

US-08-887-977-9.ID

either as a fued protein or es a cell extract, and analysing the remultant metabolise. The cpd. is considered "safe" if it is detoxified or not rendered carcinogenic or "maste" if it is not detoxified or is remainised to a carcinogenic opd.

Sequence 1473 BF: 424 AF: 335 C; 313 G; 401 T; នួននន

Query Match
1.3%; Score 15; DB 22; Length 1473;
Parel No. 8.78+60;
Matches 15; Conservative 0; Mismatches 0, Indels 0; Gaps

Query Match 1.3%, Score 15, DB 20, Length 1473, Best Local Similarity 100.0%, Pred. No. 8.37e+01,

Tue Nov 17 08:55:26 1998

Query Match 13%; Score 15; DB 15; Length 1473; Bert Local Similarity 100:0%; Pred. No. 8.378-601; Machies 15; Conservative 0; Mismatches 0; Indels 0; Gaps

DESCUIT 237

AC 007724.

DE Mandard: CDNA: 1473 BP.

DE HAMM AUXILIARY OFTCOLINGME P450 species 208 coding region.

NEW PRESE WOODS-1958 (first entry)

E HAMM AUXILIARY OFTCOLINGME P450 species 208 coding region.

NEW PREST NOTES-1950 (FIRST ENTRY)

REGIONAL AUXILIARY OFTCOLINGME SAFETY; FIRST PRIBETS EXPRESSION VECTOR;

REGIONAL AUXILIARY OFTCOLINGME SAFETY; FIRST PRIBETS EXPRESSION VECTOR;

PER 20-TUL-1993: JP-201279.

PR 20-TUL-1993: JP-201270.

PR 20-TUL-1993: JP-201270.

PR 21-TUL-1993: JP-201270.

PR 30-TUL-1993: JP-201270.

PR 30-TUL-1993: JP-201270.

PR 40-TUL-1993: JP-201270.

PR 40-TUL-1993: JP-201270.

PR 5116991-TR AND FARE AUXILIARY OF THE AUXILIARY OFTCOLOR FOR FOR THE AUXILIARY OFTCOLOR FOR FOR THE AUXILIARY OFTCOLOR FOR THE

Page 243

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177 238
09775 standard; CDRN: 1473 BP.
09775 standard; CDRN: 1473 BP.
19.807-1995 (first entry)

70-70-1939 70-70-1939; DP-201120 70-70-1939; DP-180946 30-70-1939; DP-180946 30-70-1939; PP-180946 (SUMO) SUMITONO CERM CO.LTD. Maywahl K, Maneko H, Komai K, Nakatsuka I, Sakaki T;

Page 242

Tue Nov 17 08:55:26 1998

Page 241

Matches

Indels ö 0; Mismatches 15; Conservative

RESULT 136

PU 778390

PU 778300

PU 77800

PU 77800

PU 77800

PU

Opery Match 134; Score 15; DB 22; Length 1473; Best Local Similarity 100; 04; Pred Roc. 8.75e+01. Watches 15; Conservative 0; Mismatches 0; Indels 0;

Tue Hov 17 08:55:26 1998

Page 244

Viegs a /notes 1 to T change in variant 2 changes amino acid from Glu to Val. / reage b / reage in variant 1 changes amino acid from Arg to 1ys .

for the Arg to 1ys .

for the Arg to 1ys .

for the Arg to Grange in variant 1 changes amino acid from 1ys to Arange in variant 1 changes amino acid from 1ys to Arg . EP-644267-A. 22-MAR-1995. variation variation

Will STIDESSALL.

Adjustion of safety of a chemical opd. - using recombinant yeast

Examples; page 70.72; lidge pide and a yeast RADPH-P450 reductase

Examples; page 70.72; lidge English of a yeast RADPH-P450 reductase

Examples; page 70.72; lidge English of the themson stillary

for notice to species 250 wright; The given contains bese variations

of the page sequence (69724). These change the animo self eradiues B1:

did type sequence (69724). These change the animo self eradiues B1:

did type sequence (69724). These change the animo self eradiues B1:

did type 133; Asy to Lys and 399; Lys to Arg. The oDN was amplified

by PCK using the primers g09787-9. The produce the vectors p208 variant 2 for

"Any remember of the cytochrone P450 alone or p208R variant 2 for

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US-08-887-977-9.xmg
Tue Nov 17 08:55:26 1998
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Page 246

U8-08-887-977-9.xng Length 1481; ö

Score 15; DB 22; Length 1481 Pred. No. 8.37e+01; 0; Mismatches 0; Indels

Query Match Best Local Similarity 100.0%; Matches 15: Conservative

Tue Hov 17 08:55:26 1998

Page 245

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The vectors are used in a method for evaluating the safety of a chemical compound by reaching the chemical compound with recombinating produced chemical compound with recombinating produced chemical compound and (097114), 259 (0971315), 229 (0971315), 229 (0971315), 229 (0971315), 229 (0971315), 229 (0971312), 229 (0971312), 230 (2971312), 240 (2971312), 240 (2971312), 240 (2971312), 240 (2971312), 240 (2971312), 240 (2971312), 240 (2971312), 240 (2971312), 240 (2971312), 240 (2971312), 240 (2971312), 240 (2971312), 240 (2971312), 240 (2971312), 240 (2971312), 240 (2971312), 240 (2971312), 240 (2971312), 240 (2971312), 240 (2971312), 240 (2971312), 240 (2971312), 240 (2971312), 240 (2971312), 240 (2971312), 240 (2971312), 240 (2971312), 240 (2971312), 240 (2971312), 240 (2971312), 240 (2971312), 240 (2971312), 240 (2971312), 240 (2971312), 240 (2971312), 240 (2971312), 240 (2971312), 240 (2971312), 240 (2971312), 240 (2971312), 240 (2971312), 240 (2971312), 240 (2971312), 240 (2971312), 240 (2971312), 240 (2971312), 240 (2971312), 240 (2971312), 240 (2971312), 240 (2971312), 240 (2971312), 240 (2971312), 240 (2971312), 240 (2971312), 240 (2971312), 240 (2971312), 240 (2971312), 240 (2971312), 240 (2971312), 240 (2971312), 240 (2971312), 240 (2971312), 240 (2971312), 240 (2971312), 240 (2971312), 240 (2971312), 240 (2971312), 240 (2971312), 240 (2971312), 240 (2971312), 240 (2971312), 240 (2971312), 240 (2971312), 240 (2971312), 240 (2971312), 240 (2971312), 240 (2971312), 240 (2971312), 240 (2971312), 240 (2971312), 240 (2971312), 240 (2971312), 240 (2971312), 240 (2971312), 240 (2971312), 240 (2971312), 240 (2971312), 240 (2971312), 240 (2971312), 240 (2971312), 240 (2971312), 240 (2971312), 240 (2971312), 240 (2971312), 240 (2971312), 240 (2971312), 240 (2971312), 240 (2971312), 240 (2971312), 240 (2971312), 240 (2971312), 240 (2971312), 240 (2971312), 240 (2971312), 240 (2971312), 240 (2971312), 240 (2971312), 240 (2971312), 240 (2971312), 240 (2971312), 240 (2971312), 240 (2971312), 240 (2971312), 240 (2971
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Score 15; DB 15; Length 1473; Pred. No. 8.37e+01; 0; Mismatches 0; Indels 0; Query Match 1.3%; Best Local Similarity 100.0%; Matches 15; Conservative

g ä

RESULT 140
December 13347 standard, RRA; 1481 BP.
AC 73347 standard; RRA; 1481 BP.
DE MAR Lapha RRA equence.
RR Hammerhead tiboxyme curve promyelocytic leukamia; APL;
RR 142ph RRA; Purkey; PurkeR alpha; retinoic aid receptor;
RR 142ph RRA; Purkey; PurkeR 150; antisense; ss.
RR 142ph 1336 (1645).
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RR 143ph 136 (1645).
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R

RESULT 239

ID 731360 standard; CDNA; 1481 BP.

DE ARRADAD ROM sequence.

NAR ADDA DIA sequence.

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NAR ADDA TARRADAD STANDARD S

Tue Nov 17 08:55:26 1998

US-08-887-977-9. mg

Location/Qualiflers (4...1350 /*tag= a 40..99 (4...99 100..1347 1489...1494 /*tag= d signal_peptide

polya_signal

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RESULT 242 ID T59845 standard; DNA; 1512 BP. AC T59845;

27-PES-1997 (first entry)

Mann Rapp : gene up-regulated in regenerating liver.

RASP-1; regeneration easociated scripin 1; liver; cirrhosis;

Repetvons; transgenic animal; disquosis; gene therapy; as.

Romo saplens. LocationQualifiers

40..1350

mat_peptide

Query Match 1.34; Score 15; DB 25; Length 1507; PBst Local Similarity 100.04; Pred Ro. 9.734-01. Matches 15; Conservative 0; Mismatches 0; Indels 0;

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Tue Nov 17 08:55:26 1998

Page 247

of a.Nav.1998 (first entry)
TREP-1 coding sequence coding sequence in the promoter PDI and the Astronomy exhibitor complex; MRC Class I molecule; meanwalf an early, requistor; succlaimant disease transplant rejection; threspy; non-thyroid autoimmune disease; Sox-4; TSEP-1 protein; da. Ratta xattus. Location/Qualiflers illo.1086 Location/Qualifiers 118..1086 /*tag= a

PH W09707404-A1.

PD 27-FEED 1937.

PD 21-ANG-1995; UB-1937.

PD 21-ANG-1995; UB-1 

Score 15; DB 34; Length 1512; Pred. No. 8.37e+01; 0; Mismatches 0; Indels 0; Query Match 1.3%; Best Local Similarity 100.0%; Matches 15; Conservative

7 eggtetcactggtet 21

Page 248

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Query Match 1.3%; Score 15; DB 22; Length 1481; Defet Local Similarity 90,0%; Pref. No. 93.78-01. Matches 12; Constructive 3; Mismatches 0; Indels 0;

RESULT 241 ID T44067 standard; cDNA; 1507 BP.

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Tue Nov 17 08:55:26 1998
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US-08-887-977-9.xmg

Cp 1063 cdGTCTCACTGGTCT 1049

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PESULT 243

TEOLOGY 243

TEOLOGY 240

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Omery Match 13%; Score 14: DB 34; Length 1526; Best Local Similarity 10:04; Pred. No. 3.476+02; Indels 0; Ratches 14; Conservative 0; Mismatchies 0; Indels 0; Gaps

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expression-controlling DNA and an expression vector contg. the

US-08-887-977-9.xmg

RESUR 246

NOOST: SECURE 2000 (first entry)

29-DEC-1900 (first entry)

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Length 1540;

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Principle of the property of t

Ouery Match 1.3%; Score 15; DB 2; Length 1540; Best Local Similarity 100:0%; Pred. 78:0.8.78+01; DB 24:0.6.8.78+1; Conservative 0; Mismatches 0; Indeas

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REGULT 247

In forton; standard; DRN; 1548 BP.

And Chon 1997 (first nearly factor receptor DRN.

By could 1997 insulinithe growth factor receptor DRN.

M. Chon 1997 insulinithe growth factor receptor DRN.

M. Chon 1997 insulinithe growth factor receptor DRN.

M. Chon suplement concer; operiosis; gene therapy; ss.

M. Chon suplement concer; operiosis; gene therapy; ss.

M. Chon 1997 insulinithe growth factor receptor DRN.

M. Chon 1997 insulinithe growth factor receptor insulinity of 11.1548

M. Chon 1995; US 31.1548

M. Chon 1995;

ö Query Match 13% Score 14; DB 10; Length 1548; Best Local Similarity 10w, Pred. No. 3.47e+02; Indels 0; Gaps Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps

RESULT 248 27 128999 standard; CDRA; 1555 BP. AC 728999; 7 (first entry) DE Ruman GABA-A receptor delta subunit CDRA.

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Page 249

US-08-887-977-9.xng

PP DNA. useful for the preparation of heterologous proteins PP CLAIA 2: Page 10; Alph Appanese (1968) and the condem R7375 Candian tropicalism pt33 independent PP CC (1971). By isolating the expression controlling region of 09689; c the claimed promoter sequences op6894-0486705 water prepd. These CC promoter sequences can be used in the prepn. of heterologous C proteins in substrotte and prodaypute host cells of the prepn. Of the proposes of the condem PP C proteins of the prepn. Of the

Query Match 1139; Score 14; DB 15; Length 1530; Best Local Similarity 100:09; Peter No. 34-02; Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps

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New isolated DRN encoding human mast cell growth factor - useful in attainating proliferation of hammarpoletic cells with growth factor. Disclosure proliferation of hammarpoletic cells with growth factor, bluelearn PROSE is 95 PR FRIGHT STORM IN MARCHES AND THE CORN appared to the prediffication and is said to correspond to the prediffication (see also 0700412 and 071077).

Sequence 1533 B; 470 A; 250 C; 351 G; 404 F; | December 245 | Dece

Query Match 1.34, Score 14, DB 3, Length 1533; Best Local Similarity 100.04, Perford No. 34-Perfo. Matches 14; Conservative 0; Mismatches 0, Indels 0; Gaps

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US-08-887-977-9.zng

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RESULT 150

ID 0001111 standard; DNA; 1559 BP.

AC 001111 standard; DNA; 1559 BP.

DE 22.400-1990 (first entry)

E 23.400-1990 (first entry)

E 24.400-1990 (first entry)

E 34.400-1990 (first entry)

E 35.400-1990 (first entry)

E 35.400-1990 (first entry)

E 35.400-1990 (first entry)

E 4.400-1990 (first entry)

E 5.400-1990 (first entry)

E 66.7849-1990 (first entry)

E 7.400-1990 (first entry)

E 7.400-1990 (first entry)

E 8.400-1990 (first entry)

E 97.400-1990 (first entry)

E 98.700-1990 (first en
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PF 16-MA-1999.
PF 16-MA
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PF USY137819-A.
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                                                                                                                                                                                                                                                                                                                                                                                           RESULT 352

AC 056698 standard: CDRA, 1590 BP.

AC 056698.

DE Protein-tynosin-times tex.

NY Protein-tynosin-times: tex.

NY Protein-tynosin-times: tex.

NY Endothelium; gene therapy; vaccinar disease; 83.

PR RAY

T cds.
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Best Local Similarity 100:04, Pred 180 3.478-02; Indele 0; Gaps
Matches 14; Conservative 0; Mismatches 0; Indele 0; Gaps
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Match 1.3%; Score 14; DB 1; Length 1560; Dest Local Similarity 100:04; Pred, No. 3.478+02; Lindels 0; Gape Matches 14; Conservative 0; Mismatches 0 indels 0; Gape
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 P-PODD: verous.

Substant transcriptional regulatory element - for directing expression of gene specifically in cells of endothelial linease of DA of Sequence OSGS, darked from mouse strain CD-1 embryons that is expressed during mouse extrain CD-1 embryon that is expressed during mouse exthiogeness. An additional CDR that is expressed during mouse excliquences; An additional CDR endothers of the DA of Sequence F4000 in USES and encoding procein R4657 was leakaged.
                                              US-08-887-977-9. rrs
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OJ -AMER-1984; CANCE-1983; CANCE-1983; CANCE-1983; CANCE-1983; CANCE-1983; CANCE-1983; CANCE-1983; SH-OSINGAR, Dumont D. GERdwohl GG; PP-1980; R46528.
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1..906
/*tag* a
                                                                                                                                                                                                                                                                                                    292..391
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392..952
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                                   Page 253
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                                              RESULT 251
D 00382 standard; DNA; 1560 BP.
C 00382; Standard; DNA; 1560 BP.
D 00382 standard; DNA; 1560 BP.
D 00282; Standard; DNA; 1560 BP.
D 00282; STANDARD CONTY, Xis, int, and att sequences.
NW DATON CONTY, STANDARD CONTY, Xis, int, and att sequences.
NW DATON CONTY, STANDARD CONTY, Xis, int, and att sequences.
NW DATON CONTY, STANDARD CONTY, S
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1.34, Score 14; DB 24; Length 1555,
Bert Local Similarity 100.0%; Pred, No. 3.478+02;
Matches 14; Conservative 0; Mimmatches 0; Cape
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A ORMA close (178889) codes for the delta subunit (R9739) of the human character (178891) codes for the delta subunit (R97399) of the human Alphocampus of the human character (178991) as probe generated from tat brain orBN using primers (see also 78996-91) based on the rat delta sequence. The CDNA can be chorycoxted into a vector and used to dister expression of the delta subunit in transferred cella, partic, rodent fibroblasts.

Co-transferred host calls capable of expressing the delta, alpha-4, see also 87739) and beta subunits can be used to screen or design sequence 1555 Bp; 298 A; 534 C; 466 G; 278 T;
                       US-08-887-977-9.xmg
                                                                                                                                                                                                                                                                 GABA-A receptor; gamma-aminobutyric acid; delta subunit; ss.
Homo sapiens. Location/Qualifiers
Key 47..1405
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 524 C; 466 G; 276 T;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  RESULT 249

TO 004056 standard; DNA; 1559 BP.

TO 004056 standard; DNA; 1559 BP.

TO 10-87D-1900 (first entry)

DE Aberar fusion etem cell leukemia (SCL) gene.

NW Stem cell leukemia; leukemia (SCL, AMI; ALL;.)

NW Aberar copoletic; aplastic anemias; ds.

FIR Key

Tr cds

Tr cds
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/*tag= d
/product=38kD antigen
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47..1405
/*tag= a
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SOCCO STATE BEAR A SECOND SOCCO SOCC

Page 256

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US-08-887-977-9. rng

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from a phage lamada-gil mouse embryo cDNA library. DNA of sequence 056699 was inclated from a mouse geometic phage library using tex CDNA as probe, and included the transcriptional regulatory clament of tex compressing the inclusion coden and untranslated sequence. The chament may be used in gene therapy to introduce foreign encounterfalla cells to correct/prevent was ular drassing enems sequence 1590 Bp; 461 A; 377 C; 391 G; 411 T;
                                                                                                                                                                            Ouery Match 1134, Score 14, DB 10; Length 11590, Best Local Enlarity 100:04; Prefer No. 3.4-02; Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps
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PR N09718836-A1.

NOCE=***No stop codon given**

PR 17-207-1259.

PR 17-207-1250.

PR 17-207-1250.

PR 17-207-1250.

PR 17-207-1250.

PR 17-20 RESULT 253

10 777994 standard: CDNA to mRNA, 1593 BP.

AC 777994

AC 777995

AC 777997

AC 77797

AC 7777

AC 77797

AC 77707

AC 77797

AC 77797

AC 77797

AC 77797

AC 77707

AC 77707

A Location/Qualifiers
7-153
7-153
7-154
Produce N-acetylglucosaminyl_transferase_III
7-note No stop codon given

Query Match

1.3%; Score 15; DB 35; Length 1593;

Tue Nov 17 08:55:26 1998

US-08-887-977-9.xmg

18-378-1990 (first entry)
Genomic DNA from Plasmodium falciparum KI isolates encoding the 41 kD
marzoobite antigen.
Plasmodium falciparum KI isolate, merozoite antigen; epitops; immunoge
anti-malaria veccine; passive immunisation; malaria diagnosis.
Plasmodium falciparum.

Location Qualifiers
Joseph A (1889 a Control of Control conflict conflict

/"tag" ... / ... / ... / ... / ... / ... / ... / ... / ... / ... / ... / ... / ... / ... / ... / ... / ... / ... / ... / ... / ... / ... / ... / ... / ... / ... / ... / ... / ... / ... / ... / ... / ... / ... / ... / ... / ... / ... / ... / ... / ... / ... / ... / ... / ... / ... / ... / ... / ... / ... / ... / ... / ... / ... / ... / ... / ... / ... / ... / ... / ... / ... / ... / ... / ... / ... / ... / ... / ... / ... / ... / ... / ... / ... / ... / ... / ... / ... / ... / ... / ... / ... / ... / ... / ... / ... / ... / ... / ... / ... / ... / ... / ... / ... / ... / ... / ... / ... / ... / ... / ... / ... / ... / ... / ... / ... / ... / ... / ... / ... / ... / ... / ... / ... / ... / ... / ... / ... / ... / ... / ... / ... / ... / ... / ... / ... / ... / ... / ... / ... / ... / ... / ... / ... / ... / ... / ... / ... / ... / ... / ... / ... / ... / ... / ... / ... / ... / ... / ... / ... / ... / ... / ... / ... / ... / ... / ... / ... / ... / ... / ... / ... / ... / ... / ... / ... / ... / ... / ... / ... / ... / ... / ... / ... / ... / ... / ... / ... / ... / ... / ... / ... / ... / ... / ... / ... / ... / ... / ... / ... / ... / ... / ... / ... / ... / ... / ... / ... / ... / ... / ... / ... / ... / ... / ... / ... / ... / ... / ... / ... / ... / ... / ... / ... / ... / ... / ... / ... / ... / ... / ... / ... / ... / ... / ... / ... / ... / ... / ... / ... / ... / ... / ... / ... / ... / ... / ... / ... / ... / ... / ... / ... / ... / ... / ... / ... / ... / ... / ... / ... / ... / ... / ... / ... / ... / ... / ... / ... / ... / ... / ... / ... / ... / ... / ... / ... / ... / ... / ... / ... / ... / ... / ... / ... / ... / ... / ... / ... / ... / ... / ... / ... / ... / ... / ... / ... / ... / ... / ... / ... / ... / ... / ... / ... / ... / ... / ... / ... / ... / ... / ... / ... / ... / ... / ... / ... / ... / ... / ... / ... / ... / ... / ... / ... / ... / ... / ... / ... / ... / ... / ... / ... / ... / ... / ... / ... / ... / ... / ... / ... / ... / ... / ... / ... / ... / ... / ... / ... / ... / ... / /note="Differs from cDNA from M25 isolate P. falciparum" 949..952 conflict

PF PP 1097-199.

Query March 1.3%; Score 14; DB 1; Length 1599; Best Local Similarity 100:0%; Pred No. 3.478-02; Indept 0; Gaps Marches 14; Conservative 0; Himmatches 0; Indept 0; Gaps

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Location/Qualifiers

1.306
/*ttgs

A cores a reading frame - does not begin with finitiation codon. Thought to encode the finitiation codon. Thought to encode the consistency cytoplasmic portion of a transmenbrane RTK consisting of the catalytic domain followed by a short creaminal tail (33 amino acids) /*ttgs b

CAZ085291-A.

31-3M-78-1994.

31-3M-78-1995.

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ESCUIT_156

DE PONTO-1956

DE PONTO-1954 (first entry)

DE Mouse tyronolie kinase ("tak") 1.6 th cDNA.

DE Mouse tyronolie kinase ("tak") 1.6 th cDNA.

Enderheilal specific receptor tyronolies inase: tek gene; mouse;

NE murine; chromosome 4; cardiogenesis; ss.

NE murine; chromosome 4; cardiogenesis; ss.

PF Key

Loose of the cardiogenesis; ss.

Tracks of the control of transmentance of the control of transmentance of the cardiogenesis; ss.

Tracks of the cardiogenesis; ss.

Tracks of the control of transmentance of the cardiogenesis; ps.

Tracks of the cardiogenesis; ss.

Tracks of the cardiogenesis; ss.

Tracks of transmentance of the cardiogenesis; ps.

Tracks of the cardiogenesis; ps.

Tracks of the cardiogenesis; ps.

Tracks of transmentance of the cardiogenesis; ps.

Tracks of transmentance of the cardiogenesis of the cardiogenesi District 1, Fig 2; Sipp; English.

(62130 Above the nucleotide sequence of a 1.6kb tek CDRA isolated

(62130 Above the nucleotide sequence of a 1.6kb tek CDRA isolated

(62130 Above the nucleotide sequence of this

esquence revealed a single large of pt the terminated region of the

endon, followed by a 695 nucleotide 3'untranslated region a Several

teatures of the deduced amino said sequence asggest that the 1.6kb

tek CDRA encodes the cycoplasmic chosmin of a transmembrane RTX,

sequence 100, Bp; 465, Above 335 of "estimal sail.

Owery Match 13%; Score 14; DB 11; Length 1601; DB tate Local Similarity 100:0%; Pred. No. 3.478-07; Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps

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RESULT 257 ID V04252 standard; cDNA; 1604 AC V04252;

Page 258

Gaps Best Local Similarity 100.0%; Pred. No. 8.37e+01; Matches 15; Conservative 0; Mismatches 0; Indels

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PR 108109119. A COURT OF THE STATE OF THE ST 

Query Match
1.3%; Goore 15; DB 23; Length 1593;
Best Local Similarity 100.0%; Pred Ro. 8.778-01;
Matches 15; Conservative 0; Mismatches 0; Indels 0;

RESULT 255 ID N90733 standard; DNA; 1599 BP. AC N90733; 

윱

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US-08-887-977-9.xng

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PR 27-35119-A.

PR 27-37119-A.

PR 27-37119-A.

PR 27-37119-A.

PR 27-37119-A.

PR 27-3711-1989: 10-3111.

PR 27-371-1989: 10-3712.

PR 27-371-1989: 10-3712.

PR 17-39-1989: 10-3712.

PR 17-39-1989: 10-3712.

PR 27-371-1989: 10-3712.

PR 27-3712.

PR 2
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A04056 standard: cDNN; 1638 BP.
A0 09265: standard: cDNN; 1638 BP.
A0 09265: standard: cDNN; 1638 BP.
A04056: STAND A04059; control of the contro
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Ro. 13-Pr-02; Matches 14; Conservative 0; Minanchies 0; Gaps
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10 G80312 standard; DNA; 1641 BP.

10 G80312 standard; DNA; 1641 BP.

10 G80312 standard; DNA; 1641 BP.

10 Result of the standard of the standard
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SQ Sequence 1641 BP; 489 A; 306 C;
                                                                                                                                                                                                                    91..198
/*tag= b
199..1534
/*tag= c
/*product=Bat-PA(H)
/note="Claim 12"
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141..1208
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13%, Score 15; DB 19; Length 1604;
Best Local Similarity 100:0%, Pred. No. 8.78+01;
Metches 15; Conservative 0; Mismatchies 0; Gaps
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000543 standard; CDNN; 1620 BP.
000543 - "ULT.1990 (first entry)
Vamplice bar pleashingoen activator gene.
Namplice bar pleashingoen activator; vamplice bat; Bat-PA(I); Bat-PA(E);
Bat-PA(L); thrombolytic therapy; ss.
Resodus roundus.
Rey
Section/Qualifiers
Sec.
91. 1524
                                                                                                                                                                 05-JUN-1998 (first entry)
Wild tomac ogittensferase CDMA.
Wild tomaco; acyltensferase glucose palmitoyl ester;
glucose acyl eter; pest repellent; emulaffer; emollient; da.
Key operation pennelli.
Key GES 55. 1399/QUALIffers
55. 1399
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/product= acyltransferase
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1..1638
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/note=*Claim 11*
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Sequence 1604 BP;
Tue Nov 17 08:55:26 1998
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PR Mon. encoding human nuclear factors of activated T cells -
present for screening potential thropeutic and diagnostic agents for
lumine space diseases 5556 (App. English and Adagnostic agents for
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A scholasurer Page 5556 (App. English and Adagnostic agents for
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1.3%; Score 15; DB 38; Length 1650;
Bert Local Similarity 100:0%; Pred No. 8.37-0;
Matches 15; Conservative (); Mismatches (); Gaps
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M. T16032 standard; cDNA to mRNA; 1650 BP.

M. T16032 standard; cDNA to mRNA; 1650 BP.

M. T16032 standard; cDNA to mRNA; 1650 BP.

M. M31-7 percenter cDNA dlong allo, 
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P-PSDB: 902355.
University and a nuclear factors of activated T cells -
uneful for screening potential therapeutic and diagnostic agents for tuneine system diseases.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 134; Score 14; Da 23; Length 1662; Best Local Similarity 10,00; Pred. No. 3.476+02; Langth 1662; Matches 14; Conservative 0; Hismatches 0; Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             RESULT 266

ID 756871 standard, CDM, 1662 BP.

DI 756871 standard, CDM, 1662 BP.

DI 16870/1996 (first entry)

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PH HO9117174-A.

PH HO9117174-A.

PH HO9117174-A.

PH HO9117174-A.

PH HO9117174-A.

PH HO91774-A.

PH HO9177
DO 101835 standard: CDNA: 1642 BP.

AD 01835: standard: CDNA: 1642 BP.

DE 17-FER-1920 (first entry)

DE 10-FER-1920 (first entry)

DE 10-FER-1920 (first entry)

DE 10-FER-1920 (first entry)

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PR (50AF) SINTRO CO. III.

PR (50AF) SINTRO CO. 
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1.3%, Score 14; DB 17; Length 1650;
Best Local Similarity 1000; Pred: No. 3.47402; Indels 0; Gaps
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps
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AC 716871, S 1662 BP. AC 716871, S 1681, S
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ID 791738 standard; DNA; 1650 BP.
AC 791736;
DT 20-ARR-1998 (first entry)
DE JC virus DNA fragment.
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U8-08-887-977-9. rng

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Tue Nov 17 08:55:26 1998
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con glychom (glyphomate) or its malts, but may also be a gene for resistance or e.g. chhorocerefulidee, gliffoldee, all plants uters, inflatorlunes, con control of chromocereful to glocolomes, and control of chromocereful to grow the control of chromocereful to glocolomes, control of chromocereful to glocolomes, control id by heritation and the control is allowed the chromocereful to be controlled by heritation and development; allows volunteer plants to be controlled by heritation and development; allows volunteer plants to be controlled by heritation and without the controlled plants of controlled and mittable for general use in plants containing resistants of seeds will arise. The expression controlled on a strict of controlled controlled on a strict of controlled con
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Score 14; DB 33; Length 1667; Pred. No. 3.47e+02; 0; Mismatches 0; Indels 0; Gaps Query Match Best Local Similarity 100.0%; Matches 14; Conservative

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RESULT 268

IN 741814 stundard; CDNA, 1670 BP.

TA1814 10 TA1814 stundard; CDNA, 1670 BP.

TA1814 10 TA1814 stundard; CDNA, 1670 BP.

DE HONOROGE STATE UNIQUE - exposed 29 NDA antigen CDNA.

DE HONOROGE STATE UNIQUE - STATE TO STATE THE STATE THE
                                                                      RESULT 1443
AND 1443
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Page 272

US-08-887-977-9.xng

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782..785
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/*tag= e /ncte= "primer HP30N binding site" /1648.1667 /*tag= f /note= "primer HP30C binding site" primer_bind primer_bind

M 906538475-A1.

PH 906538475-A1.

PH 906538475-A1.

PH 905-1956; SE0727.

PH 905-1956; SE070000.

PH 905-1956; Page 37-38; App: Employed antiqen - useful for the treatment, prophylaxis of diagnosis of mammalian infections and for the preport of the preport of mammalian infections, and for the preport of the preport of mammalian infections, and for the preport of the preport of mammalian infections, and for the preport of the preport of mammalian infections, and for the preport of the preport of mammalian infections, and for the preport of th 

Gaps Score 15; DB 25; Length 1670; Pred. No. 8.37e+01; 0; Mismatches 0; Indels 0;

Query Match Best Local Similarity 100.0%; Matches 15; Conservative

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250 gggataaagaaacca 264 a

RESULT 267

The control of the contr

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primer_bind

PH W09538475-A1. (Note="Primer H930c binding site")

PH W09538475-A1. (Note="Primer H930c binding site")

PH W09538475-A1. (Note="Primer H930c binding site")

PH W10-UNR-1995; E20-02007.

PR W11: 99-0338-W01405.

PH M10-DARFER PARTER PARTER

Opery Match
Best Local Similarity 10:09: PSG-00:00
Best Local Similarity 10:09: Psg-00:00: Psg-00:00
Matches 15: Conservative 0: Minmatche 0: Indels 0: Gaps

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Page 269

UB-08-887-977-9. ID

Tue Nov 17 08:55:26 1998

#8888888888888888

Disclosure: Page 55-55; 64pp; English.

To ADMA sequence (T1881) compilsas the N° end of human nuclear factor of carciar (T1881) compilsas the N° end of human nuclear and factor of carciar (T0-108) (F0225).

To ADMA (T1807) and (T18075), were also isolated; the WRATGO CT innearly was most abundumt. The major sites for WRAT sepression that has a most abundumt. The major sites for WRAT sepression that has a most carciar than the WRATGO CT innearly was most abundumt. The major sites for WRAT sepression to which the set isolated human pariphers) blood lymphocytes by sereening with a probe derived come the set for prodm of recombinant WRATGO, as probe and primars, can be used for prodm of recombinant WRATGO, as probe and primars.

Can be used for prodm of recombinant WRATGO, as probe and primars, can deep, antisensely on mediate cellular expression or intracellular squence 1662 BP; 401 A; 418 C; 184 G; 489 T;

Query Match
1.34; Score 14; DB 23; Length 1662;
Bet Local Similarity 100:04; Pred No. 3.67-67;
Matches 14; Conservative O; Mismatches O; Caps

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US-08-887-977-9.rng

preferred for use in constructs of the invention (Ciaim S).

complement (522..540).

/note *primer HP30N binding site*
1648..1667.*

/note *primer HP30V binding site*
/note *primer HP30V binding site* primer_bind

RESULT 169
DE 71395 atendedrd; CDNA; 1670 BP.
AC 71395.
DE 61305 (first entry)
DE 70 0-4485-1997 (first entry)
DE 70 0-4485-19

UB-08-887-977-9.rng

Page 273

US-08-887-977-9. IDS

650 GGGATAAAGAAACCA 636

g,

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PO 7-NAV-1997.

PR 107-NAV-1997.

PR 107-NAV-199
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match 1.1%; Score 14; DB 19; Length 1699; Best Local Stallarity 100 09; Peter Ro. 3.77e+07; Marches 14; Conservative 0; Manatches 0; Indels 0;
cranial nerve injury, spinal cord injury; Down's syndrome;
eretbral palsy; Lyme disease; muccular dystrophy;
myasthania gravis; tumour; therapy; ss.
Romo sapiens.
                                                                                                  Location/Qualifiers
175..1377
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RESOUR 270
ID 022055 standard; CDNA; 1689 BP.
AC 022055 standard; CDNA; 1689 BP.
D. 10-PR=1992 (first entry)
REMARCH 1005 (first

Query Match 1.3%; Score 14; DB 3; Length 1689; Bert Local Similarity 100:04; Pred. No. 3.478-02; 1.4; Conservative 0; Mismatches 0; Gaps

IN SECULT. 21. WOOZSI standard: CDNN; 1699 BP.
AC VOOZSI standard: CDNN; 1699 BP.
AC VOOZSI standard: CDNN; 1699 BP.
Brams Ret ligand retal SOND
BE Ret ligand; RetLi, RetLij; receptor; signal transduction; human;
KW Ret ligand; RetLi, RetLij; receptor; signal transduction; human;
KW Acting transplant; Coxic injury; hyposic injury;
N Huffley in monitogitis; nyelopathy; Creutzfeldt-Jakob diseases

Tue Nov 17 08:55:26 1998 Page 275

PET WOSCO1425-A. ("tag" a possible to the control of the control o 

Query Match
1.3%; Score 14; DB 19; Length 1700;
Best Local Similarity 100:0%; Pred 18:0 3.478-02; Indels 0; Gaps
Matches 14; Conservative 0; Mimmatches 0. Indels 0; Gaps 

a

RESULT 273 ID Q65344 standard; cDNA; 1700 BP.

US-08-887-977-9. xmg

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065344;
15-067-1994 (first entry)
Transcription factor DP-1.
Transcription factor; DP-1; ZZP-1; proliferative disease;
cancer; gene therapy PP-BC; as-Location/Qualifiers 55..1284 /*tag= a 

PF W09410307-A.

PD 11-MX-1991, G02227.

PR 29-GCT-1993; G0-20216.

PR 20-GCT-1993; G0-2022.

PR 20-GCT-1993; G0-2022.

PR 20-GCT

Query Match 1.3%; Score 14; DB 10; Length 1700; Best Local Similarity 100 04; Pred, No. 3476+02. Matches 14; Conservative 0; Mismatches 0; Indels 0;

à a

TIT 273.

M3002. standard; DNA: 1702 BP.

M3002.2 (first entry)
Sequence encoding borine leukocyte interferon (IFW) -slpha-4 on
plasmid subclone 95385coRT-BankT 2:9 kb.
Antivital; cancer; therapy; immunosuppression; tumour; ss. Ney
Signal_peptide 585..653
Atomat_peptide 654..172
Mat_peptide 654..172 mat_peptide

EP--88622-A.

Page 276

US-08-887-977-9. Ing

Gaps

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7. 30431100-N. O'Tadg- a

10.0431100-N. O'Tadg
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M. 17633 standard; CDRN; 1719 BP.

M. 17633 standard; CDRN; 1719 BP.

M. 1-saparaginase; antitumour; cancer; lymphoma; leukaemia; therapy; R. 176313-43.

M. 1-saparaginase; antitumour; cancer; lymphoma; leukaemia; therapy; R. 1800 standard; CDRN; R. 176313-43.

M. 17636 standard; M. 17636 standard; R. 17636 standard; R. 17636 standard; M. 17637 standard;
                                                                                                                                                                                                                     allergy treatment
Claim 10. Page 51. 87pp: English.
A cDMA clone (731300) codes for novel human G-protein coupled
treeptor CRM1 (19444). It was discovered in a cDMA library derived
from a human bawk embryo. It may also be isolated from the human
breats. CDMA clones for CPM1, GPM2, GPM3 and GPM4 (see also 731300)
65) can be utilized in the produ. of recombinant G-protein coupled
receptors (see also W04454-7) in e.g. E. coll, COS or insect cell
hosts. They can be used to design disposite probes for the
detection of mutations in GPM genes that may lead to tumours and
cancers, or utilized in GPM genes that may lead to tumours and
sequence 1113 BP; 1395 A, 460 C; 335 G, 496 T;
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                             1.3%; Score 14; DB 22; Length 1719;
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10 098212 193 (first entry)
DE TAN encoding CD dissociation stimulatory protein.
DE TAN ENCODING CONTROLL 
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18.60 - Mar. 1980.

19.60 - Mar.
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10 N90725 standard; DNN; 1704 BP.

10 N90725 standard; DNN; 1704 BP.

11 G-0704-1990 (first entry)

12 G-0704-1990 (first entry)

13 Stilbene synthase; groundout; pGS 828.1;

13 NN pet resident plant.

10 Contino Stilbene synthase;

11 Stilbene synthase;

12 Coundout;

13 Stilbene synthase;

14 Stilbene synthase;

15 Stilbene synthase;

16 Stilbene synthase;

17 Stilbene synthase;

18 Stilbene synt
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HONG-1996

10-ARR-1995

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HIRLY, HURAN GENORE SCI INC.
HIRLY, HURAN GENORE SCI INC.
SHITTON, Gents R. Li Y, Mi J, Rosen CA;
SHITTON, 196-455729/4.
P-PSDB: HONG-1964444.
P-HOSE HORSE COMPLETED TO BE STORTED TO BE STORT
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TIN 200 stendard; CDNs; I113 BP.
TIN 2000 stendard; CDNs; I113 BP.
TIN 2000: DEPC-1996 (first entry)
Human G-protein coupled receptor GPRI, edinal transduction; agonist; antagonist; ent proliferation; cancer; tumour; astima; allergy; antagonist; ent branch; entropy; ed. Edinal transduction; cancer; tumour; astima; allergy; Hoop sapiens.
To action/Qualiffers
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         US-08-887-977-9. Ing
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Best Local Similarity 100.0%; Pred. No. 3.47e+02;
Matches 14; Conservative 0; Mismatches 0; Indels
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PR 99915510-A.
PR 99915510-A.
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PR 90917510-A.
PR 909 Description of the control of the co

Owery Match 118, Score 14, DB 3, Length 1767; Best Local Similarity 100 04, Parel Re. 14 February 100 04, Parel Re. 14 February 100 04, Parel Re. 16, Conservative 0, Mismatches 0, Indels 0, Gaps Matches

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PR W0911510-A.

DO 17-07-1931.

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DO 17-07-1931.

PR W0911510-A.

PR W1 W1-1931 002211.

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Query Match 1.3%; Score 14; DB 3; Length 1779; Oner Local Similarity 100.0%; Pred. No. 3.47-40; Matches 14; Conservative 0; Mismatches 0; Gaps

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Page 282

775 TCTGACAAGCCAGA 762

The Problem 14.31.7.

The control of the confidence of the control of the control of the confidence of the control of the cont 

00sery Match 134, Score 14, DB 3, Length 1767; Best Local Similarity 100:09, Peed No. 3,46-02; Matches 14, Conservative 0; Mismatches 0; Indels 0, Caps

726 actgcactgctgcc 739

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PR W09731651-A1.

PR 01-771-1937.

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PR 01-771-1937.

PR 01-771-1935.

PR 01
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1.34; Score 14; DB 12; Length 1786;
Deer Local Similarity 100:04; Pred. No. 3.478-07;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps
Numan integrin-linked kinase (ILK) CDNN.

Integrin-linked kinase; ILK, serine/thereonine kinase; cell growth;

Integrin-linked kinase; ILK, serine/thereonine kinase; cell growth;

gene therpy; disposis, cancor; lenksemis; twourr inflammation;

gene therpy; disposis, cardiovascular disease; ss. inflammation;

arthitis acteoporosis; cardiovascular disease; ss. from applient incompletion incompl
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157.1512
**tag= a
1749.1754
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ID T11375 standard; cDNA; 1829 BP.
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                                                         ESSUL 283

De (46591) standard, CDNA, 1781 BP. (46591)

DE 17-178-1394 (first entry)

DE 17-178-1394 (first entry)

DE 17-178-1394 (first entry)

NN transplant rejection; as.

NN transplant rejection; as.

DE 17-178-1994 (10-6356)

PR 17-178-1995 (10-6366)

PR 17-178-1995 (10-6
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10 T71716 standard; cDNA; 1786 BP.
AC 171716;
DT 29-SEP-1997 (first entry)
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Ouery Match 1.34; Score 15; DB 21; Length 1829; Best Local Similarity 100,04; Pred Sco. 8.75+07. Matches 15; Conservative 0; Mismatches 0; Indels 0;
US-08-887-977-9.xng
                                                                                   CC deficiency in S-mephenytoin 4'-hydroxylase activity.
SQ Sequence 1829 BP; 533 A; 407 C; 361 G; 528 T;
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US-08-887-977-9. mg

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111375;
09-SEP196 (first entry)
09-SEP196 (first entry)
Cytochrome P460 CEG 4114 Type coding sequence.
Cytochrome P460 CEG 4114 Type coding sequence.
Statesospecific S-mephenytoin 4'-hydroxylase activity; polymorphism: s
Row apliens. Location/Qualifiers
2.1474
048

Location/Qualiflers
2..474
/*tag= a
/product= Cytochrome P450 C8

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PR PR2695189-A.

PD 11-ARF-1934.

PD 11-
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PF 1095330766.A1.

Product= Cytochrome P450 C8

PP 016-NOV-1959.

Query Match 1.3%; Score 14; DB 11; Length 1833; Best Local Similarity 100.0%; Pred. No. 3.47e+02;

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PR E-105608-A. Paroduct-2,5-DKG reductase.
PR 21-078618-B. Paroduct-2,5-DKG reductase.
PR 21-078118997 202624.
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2-Safktegoins.
2-Keto-1-Safktegoins acid reductase; 2,5-DKG reductase; 3-Keto-1-Safktegoins acid; 7-KLG; ascorbic acid; vitamin G; ss.
0-yenbacterium sp. Arcc 31090.
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                                                                                                Indels
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                                                                                                                                                                                                                                                                            RESULT 288 In D NSC 1853 BP. In NSC 1853 BP. AC NSC 1852 CT 14-JAN-1992 (first entry)
                                                                                                14; Conservative
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                                                                                                Matches
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PR EP-132308-A. (Jabel- 2,5-DKG-reductase gene pp. 132308-A. (Jabel- 2,5-DKG-reductase gene pp. 132308-A. (Jabel- 2,5-DKG-reductase gene pp. 13-07AK-1388.

PR 25-07K-1388.

PR 25-07K-1388.

PR 25-07K-1389.

PR

Page 290

Plasmid PTPD-15 DNA encoding the 7.5-diketoglucomate-reductase gene. 2.5-Diketoglucomate-reductase; ascorbic acid; ss. Corynebacterium.

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/*tag= c 296.1130 /*tag= d /label= 2,5-DKG-reductase gene

US-08-887-977-9. rng

Tue Bov 17 08:55:26 1998

Page 289

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Query Match 1.3; Score 14, DB 1, Length 1853; Bart Local Similarity 100,01, Pred Mo. 3.47=402, Indels Matches 14; Conservative 0, Mismatches 0; Indels

RESULT 290 ID N8066 standard; DNA; 1854 BP. AC N82066; DT 30-OCT-1990 (first entry)

Page 292

US-08-887-977-9. Emg

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RESULT 389
TID NOTES 189
AC 1806513
AC 1806513
AC 20-20H3-1990 (first entry)
DE Sequence including 2.5-diketogluconic acid reductase gene and p7rpl35

Query Match 1.3%; Score 14; DB 3; Length 1853; Best Local Similarity 100:0%; Pred. No. 3.474-40; Macches 14; Conservative 0; Mismatches 0, Indela 0; Gaps

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Tue Nov 17 08:55:26 1998
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PN 109224658-A.
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US-08-887-977-9.rng
                                                                                                                                                                                                                                       /*tag= a /product= VP3 784..1848 /*tag= b /product= VP1
                                                                                                                                                                                                                                                                                                                                                                                      CDS
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Opery Match 13N, Score 15: DB 38; Length 1875; Best Local Smilarity 100:0N, Pred. No. 8:178-01; Indels 0; daps Matches 15; Conservative 0; Mismatches 0; Indels 0; Cape

RESULT 392
ID 159873 standard; CDNA; 1881 BP.

AD 159874 standard; CDNA; 1881 BP.

DI CALDS standard of truncated pro-alphal(III) chain.

EX C-PROSPECT PROSPECTION sequence Direcollages middle; wound healing; RF (Throtis of pro-alpha Chain; direction of the Chain; therapy; RF (Throtis of pro-alpha Chain; direction of the Chain; direction of

US-08-887-977-9.xmg

134, Score 14; DB 11; Length 1900; Best Local Similarity 1000; Best Local Similarity 100, Pred. No. 3.47e+02; Antenea 14; Conservative 0; Mismarches 0; Indels 0; Gaps

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PH W09412635-A.

PD 19-207-1994.

PD 19-207-1999.

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4.1 RESULT 294

TO 779515 standard; CDN3, 1917 BP.

TO 779516 of 179515 standard; CDN3, 1917 BP.

TO 779517 STANDARD (Little entry)

DE PARTAL SECTO CONCER susceptibility gene from clone 14 CDN3.

TO 779517 STANDARD SECTO CONCERT CANCET; OVATION CANCET;

WHE NEXT CONCERT SECTO CONCERT CANCET; OVATION CANCET;

TO SECTO CONTROLLINE SECTO CONCERT CANCET; OVATION CANCET;

TO SECTO CONTROLLINE SECTO CONTROLLINE SECTO CONTROLLINE SECTO CANCET CANCET

contains stop codons at positions 10 to 12, 40 to 42, 52 to 54, 58 to 60, 145 to 147 and 745 to 747, which are not shown in the protein

US-08-887-977-9. IDS

Page 296

745 to 747, which are not shown in the protein.

PH 523107477A.

PH 52471357

PH 5247137

PH 524

Score 14; DB 35; Length 1917; Pred. No. 3.47e+02; 0; Mismatches 0; Indels 0; Query Match Best Local Similarity 100.0%; Matches 14; Conservative

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US-08-887-977-9. IDS

Page 294

(UTMA.) UNIV VICTORIA MANCHESTER. Bulleid N. Kadler K; WPI; 97-179268/16. P-PEDB; W12842. Novel pro:collagen mol. - compris

Novel proceding mode, comprising procedingen C-proceptide

Novel proceding mode, comprising procedingen controlling material,

standard to an alien colligen alpha-chain or non-colligen material,

this accurate the controlling mode, and the colligen material,

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pro-labbilitic chain that can be used in the procedingen materials of

the invention. The C-properties and into the procedingen mode of

monomer chains into trimerised pro-alpha chains prior to cleaves of the

monomer chains into trimerised pro-alpha chains prior to cleaves of the

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or the modelies a first modely bring procedingen C-properties of the invention

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or the modelies and the chains procedingen C-properties and for an one can be used for an one collagen material. The novel collagen modelies capture for the controlling albeit and bealing or although a modelies or textiles. The rower collage we had bealing to be characterially when containing aubstitutions in the recognition

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Ouery Match 1.3%, Score 14; DB 34; Length 1881;
Best Local Similarity 10, 9; Pred No. 3.478-05;
Best Local 44; Conservative 0; Mismatches 0; Caps 

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Page 297

Key signal_peptide mat_peptide

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FIT WOURDAYS.

PRO **MAR*-1992

**MAR*-1992

**MAR*-1992

**MAR*-1993

RESULT 293

10 022341 standard; CDRN; 1938 BP.

AC 022341.

DT 231-031-03292 (first entry)

DE Sequence encoding insulin-like growth factor binding protein

DE (IGP-BP)-5.

KW Cancer therapy; osteoporosis; anaemia; growth; wound healing; ss.

SS GROWS SPEERS.
                                                                                                                                                                                                                                                                                                                       Location/Qualifiers
                                                                                                                                                                                                                                                                                                                       signal_peptide 24
                                                                                                                                                                                                                                                                                                                                                                                                                              mat_peptide
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0, Indels 0; Gaps Ocery Match 134; Score 14; DB 3; Length 1938; Best Local Similarity 100 04; Prof. No. 3:476+02; Indels Marches 14; Conservative 0; Mismaches 0; Indels

å ò RESEURT 256

1D 022544 stendard; DNN; 1938 BP.

C 022554 stendard; DNN; 1938 BP.

DT 24-UUL-1992 (first entry)

E Sequence encoding insulin'like-growth-factor binding protein 5

DE (GERPE-5).

N Wound healing; growth; erythropoiesis; chrondrogenesis; ss.

SS Homo sapelins.

U8-08-887-977-9.rng

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RESULT 288

ID 189344, 98 (first entry)

DT 189344, 98 (first entry)

RW POLIONS (1 rell) B cell, development; activation; modulation;

RW Colling response; cell proliferation; autoimmus disease; se.

RW Colling response; cell proliferation; autoimmus disease; se.

PR COS 1..1560 (Vanilitiers)

PT COS //products poly

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PT COS //products poly

PR W0972255-A1.

PR W0972255-A1.

PR UD09444.
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Query Match 134, Score 14; DB 36; Length 1961;
Best Local Similarity 100, Pred No. 3,476+02;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps

disease. Sequence 1961 BP;

608 A; 395 C; 432 G; 526 T;

Page 299

Tue Nov 17 08:55:26 1998

US-08-887-977-9. ING

No. 9-7805. Willia.

Profit Remodaling p62 and p160 and corresponding proteins - used in the treatment of autoimmuse disease and for T and B cell proliferation, p7 cells and p160 and corresponding be cell proliferation, p8 cells in the p184 is 175pp findlish and p185 cells and coher cells of the amount of cells of p184 cells of the amount of cells of species of p184 cells of the amount of of 19-DEC-1995; US-574959.

White DAMP DAMP FABBRE CANCER INST INC.
JOURG 1. Shin J. Stromlager JL, Vadlamudi RK;
PP. 97-44351/31.
P-PSDB: W31183.

Query Match 134, Score 14, DB 16; Length 1977; Best Local Similarity 100:09; Pref. No. 3.474-07. Matches 14; Conservative 0; Hismatches 0; Indels 0

RESULT 399

NESULT 399

NEW 1870235 standard; DRN; 1982 BP.

NEW 1870235 standard; DRN; 1982 BP.

NEW 1871 a specific Plasmodium falciparum protein.

NEW 1871 malaria; HXD protein; Plasmodium falciparum; vaccine.

NEW 1871 malaria; HXD protein; Plasmodium falciparum; vaccine.

Pramodium falciparum

Pramodium falciparum

NEW 1871 malaria; New 1871 malar

Length 1938;

Query Match 1.3%; Score 14; DB 3; Length 1938; Best Local Similarity 100; 03; Pred. Ro. 3.478-402; Matches 14; Conservative 0; Mismatches 0; Indels

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Page 300

W09731931-A1.
28-PER-1997, U03217.
28-PER-1997, U03217.
OH-MA-1996 US-01566 US-01566.
(PRCA -) PROCTER & GAMBLE CO.
(UTCA -) UNIV CASE WESTERN RESERVE.

US-08-887-977-9. rng

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US-08-887-977-9.xmg

Tue Nov 17 08:55:26 1998

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library in expression vector prESJ.O was used to transform Secharomyces exertaine #1314, and exchitinate prolitive 2 transformers exertaine #1314, and exchitinate prolitive 2 colonideration was requested to colonideration and plants of produced for the testate the 200 and 2339 and plants exchitinate whe transformed how cells produce #1315. The second limit exchitinate is adquated as the projected a father passes assected in the same second plants are projected a father passes assected in the same passes as a projected a father passes assected in the same passes as a father passes and passes as a father passes as a father passes as a f
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PR 20-02--1997; DE-681151.

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ROADS B Bunder Stree B, Kupper H;

Roads B Bunder Stree B, Kupper H;

Register Street B, Stre

Query Match
13%, Score 14, DB 28, Length 2000;
Best Local Smilarity 100.0%, Pred. No. 3.476-0;
Matches 14, Conservative 0; Mismatches 0, Cape

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0; Indels 0; Caps

Opery Match 1.3% Score 14; DB 1; Length 1982; Bart Local Similarity 100.0%; Pred Res. 3.47+40; Matches 14; Conservative 0; Mismatches 0; Indels Matches

PR 909605722-A1.

PD 27-282-1936.

PD 27 RESOLT 301
T19939 standard; DNA; 2016 BP.
T19930 standard; DNA; 2016 SP.
T19947 standard; DNA; deallaston; DNA; standard; alkali metal; cation; MNA; alfali metal; cation; MNA; backivan activance; deallaston; ool; reclamation; cation; MNA; alfali metal; deallaston; DNA; alfali metal; deallaston; dealla

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US-08-887-977-9.rng

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674 T; 350 G; 368 C; 628 A; CC See Q12897-Q12900. SQ Sequence 2020 BP;

ö Sabs ö Query Match 1.3%; Score 14; DB 2; Length 2020; Best Local Similarity 100;0%; Pred. No. 3.47e-02; Indels Mechos 14; Conservative 0; Minmaches 0; Indels

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Punguaresistant transgenic plante - containing genes encoding intracellular enfittance and beta-1,3-glucanase Example 5, Fig 3, 45pp; English. This DNS sequence encodes an extractedilular beta-1,3-glucanase which is used to construct a transgenic plant in a novel method to produce plants resistant to fungal attock. Such transgenic plants expressing an intracellular plant the their all-3-glucanase gene with its tissues are predicted to exhibit improved resistance to

Page 303

## M99686700-A1. / Pe_Dummer- 5.4.4.22.
## M90186700-A1. / Pe_Dummer- 5.4.4.22.
## 15-MY-1996 | ROOLS
## 16-MY-1996 | ROOLS
## 16-MY 

ingal exo:chitinase - useful in plant protection and wounds

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US-08-887-977-9.xmg

in potassium-poor/rich soils, or used to transform plants or microorganisms for use in reporting alkali metals, heavy metals or Sequence 2016 BP; 527 A; 438 C; 461 G; 550 T; Query Match 1.3%; Score 14; DB 18; Length 2016; Best Local Similarity 100/04; Peted No. 3.47e402; Marches 14; Conservative 0; Mismatches 0; Indels 0;

g

RESULT 302

TO 012999 standard, DRA, 2020 BP.

DE TALGOTTS 1911 (first entry)

RESULT 1921 (first entry)

RESULT 1921 (first entry)

RESULT STANDARD TEACHER TO THE TEACH TO T

AVC-1291. 20019;
30-ANR-1299. NL-00022.
(UVEC) MCGRIT HT NV.
(UVEC) MCGRIT HT NV.
(UVEC) AVCRAINT NV. LEIDEN.
Sela-Buutlage MB. Vloemans AA, Woloshuk CP, Bol UT;
P. PSEDB: 813276.

plants with improved resistance to pathogenic fund; - contains over-expression targetted to applants over-expression targetted to applants over-expression targetted to applants. This sequence was tooleted from an itabasem class library following secently with a partial tobacco beta, 1,3 glucanae close. The gene is deduced to encode an amain acid sequence adventual to that of the tobacco extraocallular beta, 1,3 glucanaes plans, from unclockid sequence can be inserted into an appropriate plans for production of transgenic plants having resistance to timps! pathogens

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US-08-887-977-9.xmg
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Notices etandard: DNA: 2021 BP.

Notices of the control of the contr
pathogenic fundi. Such genes should be operably linked to promoters and terminators and optionally a sene encoding a selectable or extendable trait. Taken that overexpress the childness and glucanse genes sequence 2010 by 630 A; 386 C; 148 G; 674 T;
                                                                                                                                                                                  Ouery Match 1.3%; Score 14; DB 36; Length 2020; Seet Local Similarity 100:0%; Pred No. 3.40-02; Indels 0; Gaps Matches 0, Indels 0; Gaps
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Tue Nov 17 08:55:26 1998
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US-08-887-977-9.mg

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971 TCCTTCAAGATCTT 958
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RESULT 300103 standard; cDNN: 2056 BP.

Total 25.8007-1997 (first entry)
DF 25.8007-1997 (first entry)
DF 26.8007-1997 (first entry)
DF 36.8007-1997 (first 
                         STATE OF THE STATE
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Query Match
1.34; Score 14; DB 34; Length 2058;
Best Local Similarity 100; 04; Pred 18 05. 3.70-02;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps

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RESCIT 307

NO 065133: standard; DNA; 1058 BP.

A 065133: standard; DNA; 1058 BP.

DE PUTATIVE SEARCH LEASUREMENT FECEPTOR (V31) coding sequence.

DE PUTATIVE SEARCH LEASUREMENT AND SEARCH SE

Page 307

US-08-887-977-9. xng

Page 308

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Guery Match 1.34, Score 14, DB 11, Length 2058; Best Local Smilarity 100, Pred. No. 3.478-02; Matches 14, Conservative 0; Mimmatches 0, Gaps

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Page 306

620 T; 465 G; 389 C; 549 A; SQ Sequence 2023 BP;

Length 2023; Query Match 13%; Score 14; DB 19; Length 2023 Best Local Smilarity 100.0%; Pred. No. 3.47e-02; Matches 14; Conservative 0; Mismatches 0; Indela

PR W09616975-A1.

PROPERIOR OF THE PROPERIOR P RESULT 305

In 11750s standard; CDRM, 2025 MP.

In 11750s standard; CDRM, 2025 MP.

In 11750s standard; CDRM, 2025 MP.

Red DEAL STANDARD STANDARD; CELANGISCREATA, da.

Red STANDARD; CDP. December; STANDARD; CELANDISCREATA, da.

Red Area of STANDARD; CDRM, 2021 MP.

For da Area of STANDARD; CDRM, 2021 MP.

Red Area of Area o

Owery Match Best Local Similarity 100.0%; Pred No. 1478-02; Matches 14: Conservative 0; Hismarches 0; Indels 0; Gaps

832 teetteaagatett 845

Page 305

Tue Nov 17 08:55:26 1998

US-08-887-977-9. rng

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Tue Nov 17 08:55:26 1998

A brain-specific expression gene - used in the diagnosis of the backers discered of the Claim 1, Page 7-8, 13pp; Japanese. This sequence represents the human RF361 gene. This sequence contains the

US-08-887-977-9. ING

```
open reading frame represented by 790103. This sequence, 780099, and 190100 all traperest CORN sequences of the Invention. These sequences are 180100 all Traperest CORN sequences of reading frames hown in 780103. The respectively. These genes, their products and another from 180101 and 180101. The respective sequence are sequence for the process of Sequence 2000 BF: 626 A: 424 G: 664 F:
```

Derry Match 134; Score 14; DB 33; Length 2080; Beat Local Similarity 100 OF, Prod. No. 3.478+02; Indele O: Gaps Matches 14; Conservative O: Hismatches O; Indele O: Gaps

NEBULT 309

DE Hann p62 CORM, 2083 BP. The Cornel of Cor

Tue Nov 17 08:55:26 1998

US-08-887-977-9. ING

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truncated restin are claimed. The isolated nucleic acid and the farilbodies are used, in hybridisation and immunosassys, to screen Sequence 2088 BP; 746 A; 398 C; 557 G; 384 T;

Query Match 1.3%; Score 15; DB 40; Length 2085;
Best Local Similarity 100 04; Pred Bos 8.374-05;
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps

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mutation from the Wild-type. A G to A transition 52 bases from the 13 end of the coding region results in a Ser to Aap substitution in Sequence. 2089 BP; 433 A; 579 C; 579 G; 495 T;

Outery Match 1.3%; Score 14; DB 4; Length 2089; Best Local Similarity 7.3%; Pred. No. 3.47e+02; Indele 0; Gaps Matches 14; Conservative 0; Mismatches 2; Indele 0; Gaps 

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W09303560.

10.2APR-1892
10.2AP

Page 310

US-08-887-977-9. EDG

e.g. infections by pathogenic microorganisms, e.g. bacteria, viruses and prococoans. p52 can be used to expand T cell populations for treating infections diseases or cancer, e.g. the resulting cells may be transduced to render them resitant to BIV infection. Inhibitors of p52 can be used to reduce B or T cell responses and may be used to treat a variety of autoimnume diseases, e.g. diabetes mellitus, arthritis, multiple accience and and altergot exections. Crohm's diseases etc. 440 T;

ö Query Match
1.3%; Score 14; DB 36; Length 2083;
Best Local Smilarity 100:0%; Pred. No. 3.478-07;
Matchies 14; Conservative 0; Mismatches 0; Indels 0; Gaps

W09749721-A1.

PD 24-DEC-1997.

PD 24-DE DESCUIZ 310
WO04222 standard; DNA; 2085 SP.

KN WO0422: 1998 (first entry)
RN Restrict transcried bleases: antigen; marker; diagnosis; human;
KN SETDIOSICAL Habing; ss.

SS MOOD seption: Gleases: antigen; marker; diagnosis; human;
KN STOLOGICAL Habing; ss.

2. 2065
FN WO0748721-A1.

PT WO0748721-A1.

PT WO0748721-A1.

PT WO0748721-A1.

PR 21-WFW 1999; GlOSS SERIES.

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Tue Nov 17 08:55:26 1998

Page 311

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Tue Nov 17 08:55:26 1998
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Query Watch 1.1%, Score 14; DB 19; Length 2096; Best Local Similarity 100.0%; Pref. Ro. 3.47-602; Best Local Similarity 100.0%; Pref. Ro. 3.47-602; Managathe 0; Managathe 0; Gaps

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Property of the process of the proce
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Key Lookton/Qualifiers

cds 180.1364

/ Pisse a / Productew-PA_gamma
Tue Nov 17 08:55:26 1998
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Tue Nov 17 08:55:26 1998
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1.3% Score 14: DB 37; Length 2107; Best Local Smilarity 100.0%; Pred. No. 3.47e+02; Local Smilarity 100.0%; Matches 14; Conservative 0; Mismatchies 0; Indels 0; Gaps
```

RESULT 315
1D 005676 standard; CDRs; 2100 BP.
1D 005676
AC 005676;
DT 02-3/Ak-1991 (fixet entry)
DF v-PA_gamma.
NW Thrombolytic agent; fibrinolysis; saliva; vampire bat; ss.

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US-08-887-977-9. ING

Length 2096;

Score 14; DB 22; Length 2096 Pred. No. 3.47e+02; 0; Mismatches 0; Indels

Query Match
Best Local Similarity 100.0%;
Matches 14; Conservative 

Page 315

Query Match
1.34, Score 15, DB 1; Length 2100;
Best Local Similarity 100:04, Pred. No. 8.178-0; Indels 0; Gaps
Matches 15; Conservative 0; Mismatches 0 Indels 0; Gaps 8 8 RESULT 316

ID TISSOD standard: DNh; 2107 BP.

K. TISSOD standard: DNh; 2107 BP.

D. TISSOD standard: DNh; 2107 BP.

E. Manufaced: Salpha reductase coding sequence.

KW human; salpha reductase; ensyme; testosterone conversion; inhibitor; cost human; salpha reductase; ensyme; inhibitor; cost human; salpha reductase; ensyme; ensyme and reductase; ens

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RESULT 312

DO 030553: standard; DNA; 2131 BP.

AC 030553: The Color pyNA(0583 which containes probes for the in vitro B sequence of clone pyNA(0583 which containes probes for the in vitro B diagnosis of patients presenting an alteration on their chromosome DZ 17p.

BY PK PK PK STANCO-MARIE-Toch type 1 disease; in vitro diagnosis, os appleas 17p.
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                     Page 317
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DE 95939. R9468.78

Steeded Salpha-reductase nucleic acid segments and recombinant expenses are useful in e.g. analysis of normal expenses of the factor 
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014187 standard; DNh; 2107 BP.
014187 Standard; DNh; 2107 BP.
Human staroid 5-alpha reductase gene.
Prostatic hyporplasis; acne; hirautism; dihydrotestosterone; ss.
Rey appless. Location/Qualifiers
Rey 31.:810
              US-08-887-977-9. rng
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066794 standard; DNA; 2124 BP.
066794 (first enry)
22-4784 (first enry)
23-4784 (first enry)
34-4784 (first enry)
35-4784 (firs
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1.14: Score 14: DB 37: Length 2109;
Best Local Similarity 100:09; Pred. No. 3.47+40;
Matches 14: Conservative 0; Mismatches 0; Indels (
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                                                                                                                  RESULT 321
ID Q63972 standard; cDNA; 2129 BP.
AC Q63972;
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THE PRESENCE OF THE PRES RESULT 119

VO4203 standard; cDNN; 2109 BP.

VO4203 standard; cDNN; 2109 BP.

TO 17485:1988 (first entry)

Remain cales 1000 (first entry)

Calculus human; claukoyyte; calcum dependent cysteine protesses;

Calculus human; claukoyyte; calcum dependent cysteine protesses;

Natheimar's disease; supodystrophy; cataracts; collagen disease;

Natheimar's disease; atherosclerosis; arthritis; da.

Location/Callifers

Natheimar's disease; atherosclerosis; arthritis; da.

Son sapiena.

Location/Callifers

Natheimar's disease; atherosclerosis; arthritis; da.

Notes a location/Callifers

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Colpain and calculus disease;

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Colpain and calculus disease;

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Colpain adapted and related DNA useful for drug screening

Processes and calculus dependent cysteins protesses. Calpain can be used to screening

Calculus dependent cysteins protesses. Calpain can be used to screen

Calculus dependent cysteins protesses. Calpain can be used to carculus on the present sequence colpain and memorines activity.

Calpain DNA can be used to treat or prevent cancer, cerebral calculus dependent cysteins protesses. Calpain and memorines activity.

Calpain and discusses and a series and a series of series of series and a series of series ## WOA41013-A.

| WOA41013-A.
| WOA41013-A.
| WOA11013-A.
| WOA11013-A. CC DDM library, to identify a 2.1 kb fragment encoding a steroid CC 5-1phs reductate of 159 amino acids. The invention also conerated fragments of the human-terived sequence as well as considering convertants of the reductate and by site-directed mitagenesis. CC variations of the reductate and by 3 the directed mitagenesis. Query Match 1.34; Score 14; DB 3; Length 2107; Bell Local Similarity 100 (04; Pred. Ro. ) 476+02. Ratches 14; Conservative 0; Mismatches 0; Indels 0; Ocery Match 134, Score 14, DB 11, Length 2129; Best Local Smillerity 100.04, Pred 180-180+03; Machine 14; Conservative O, Manatches 0, Indels 0, US-08-887-977-9. xpg Incerton/qualifiers
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Megakaryocite potentiator (pR027).
Megakaryocite potentiator; Meg-Pot; thrombocytopenia;
platelet; ss.
Econ sepiens. Location/Qualifiers
Key
97.1968 

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US-08-887-977-9. png

US-08-887-977-9. rng

US-08-887-977-9. IN

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PR 03-7M#-1997; U00224.

PR (USER) 10 00224.

PR (USER) 10 00 EDET REALITE & HORAN SERVICES.

PR ASSES (SECONOMICAL DESCRIPTION OF USER) 10 00 EDET REALITE & HORAN SERVICES.

PR ASSES (SECONOMICAL DESCRIPTION OF USER DESCRIPTI
                                                                                                                                                                                                                                                                                                                                                                                                                                                                       PT BP 79993-A2.

PD 08-007-1397.

PR 07-1397.

PR 07-1397.

PR 07-1397.

PR 07-1397.

PR 07-1397.

PR 07-1897.

PR 07-1897
Calpain; human; leukocyte; calcium dependent cysteine protease; screening; activator; inhibitor; treatment; prevention; cancer; carebra apopteary oreterial infartion; subarachoid hamorrhage lisheimer e disease; myodystrophy; catarats; collagen disease; lishemnic heart disease; atheroseis collagen disease; Key Rey Location/Oun'id".
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match 1.3%, Score 14; DB 37; Length 2136; Best Local Similarity 100.0%; Pred. Ro. 376+02.9 Heaches 14; Conservative 0; Himmatches 0; Indels 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 RESULT 124
AL GOS675; Standard; CDKN; 2137 BP.
AL GOS675;
DT 10-7AN-1591 (first entry)
TH Thrombolytic agent; fibrinolysis; saliva; vampire bat; ss.
Remodus rotundus.
Repodus rotundus.
Repodus rotundus.
Repodus rotundus.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       US-08-887-977-9. mg
                                                                                                                                                                                                                                                                                                                                                                                  /*tag= a
/product= calpain
/note= "stop codon not given"
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/product=v-PA_beta
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Tue Nov 17 08:55:26 1998
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DE COO
OS DE COO
FR REP
FR REP
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                                                                                                                                                                                                                                                                                                                        Query Match
1.34; Score 14; DB 5; Length 2133;
Ser Local Similarity 100:04; Pred No. 3.47-07;
Matches 14; Conservative 0; Mismatches 0; Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Ouery Match 1137, Score 15, DB 1, Length 2137; Best Local Similarity 100:04, Pred No. 8174-01; Indels 0; Gaps Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps
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PP 127-802-1990.

PP 127-802-1990.

PR 13-FED-1990; 250043.

PR 13-FED-1990; DE-247949.

PR 13-FED-1990; DE-247949.

PR 13-FED-1990; DE-247949.

PR 15-FED-1990; DE-24799.

PR 15-FED-1990; D
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       422 C; 431 G; 629 T;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Location/Qualifiers
                                                                                                                                                                         /*tag= a
/label= pvaw409R3b
540..2133
                                                                                                                                                                                                                                                                              /*tag= b
/label* pvaW409R3a
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               RESULT 323
ID V04203 standard; cDNA; 2136 BP.
AC V04203;
DT 27-APR-1998 (first entry)
DE Human calpain cDNA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       650 A;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           FF MAY INSECTION IN SECTION IN SE
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RESULT 1975 TO 775272 standard, DNA, 2142 BP. AC 7752727 DT 27007-1997 (first entry) DE Reat-resistant bariey beta-amylase gene promoter containing DNA.

Query Match 1.3%; Score 14; DB 36; Length 2138; Best Local Similarity 100.0%; Pred. Ro. 3.48+e-0; Andels Watches 0; Indels 0; Mamatches 0; Indels 0

Location/Qualifiers

/*tag- a

/*tag- b

/*tag- b

/*tag- b

/*tag- b

/*tag- b

/*tag- b

/*tag- c

US-08-887-977-9.xng

Tue Nov 17 08:55:26 1998

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prinn B. Wang E, Weinsterl ROJ;
BR PH19 97-11111/99.
BR PH19 97-1111/99.
BR PH19 97-111/99.
BR PH19 97-11/99.
BR PH19 97-111/99.
BR PH19 97-11/99.
BR PH19 97-111/99.
BR PH19 97-11/99.
BR
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ö Gaps Ouery Match 1134; Score 15; DB 32; Length 2152; Best Local Similarity 100 04; Pred. Roc. 8.774-01. Matches 15; Conservative 0; Mismatches 0; Indels 0;

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screening;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             W99.17097., "riag" a
W99.17097., "riag" a
18.-381-1994 [ORIGINA].
18.-381-1993 [ORIGINA].
19.-381-1993 [ORIGINA].
Come i, Dynadrt BD, Bory T, Ruppert S, Tanese N, 171 an R, Wng E, Weinsterl ROJ;
WPI; 94-264019.73.
TATA Bhidhing procein associated protein factors - and orresponding nucleotide sequence and deriv. antibodies, useful
RESULT 338

DE GROOTS standard, CDNs, 2152 BP.

DE GROOTS STAND ST
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Tue Bov 17 08:55:26 1998

Page 327

US-08-887-977-9. IDS

Page 328

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polymerase II in vitro transcription activity. The encoded protein has a streaming majored in transcription by RNA polymerase III the RNA polymerase in transcription proceed in vitro upon addition of several nuclear fractions designated FIRIA, B. D. E. F. H. I and J. C. RNA polymerase II thorscription proceed in vitro upon addition of several nuclear fractions designated FIRIA, B. D. E. F. H. I and J. C. RNA polymerase II thorscriptions from a stream of the several Proceeds as the from 30-250 kD. Sett mitland against the FIRIA fraction allowed cloning of the correspondence 2152 BP, 627 A. 449 C. Sie G. Sie G. Sio T.
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Query Match

1.3%; Score 15; Dg 15; Length 2152;
Best Local Similarity 100.0%; Pred. No. 9.77ev01.

Matches 15; Conservative 0; Mismarches 0; Indels 0;

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US-08-687-977-9.xmg

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Now Barley; heat resistant; promoter; genetic engineering; transgenic; Now Barley; heat resistant; promoter; genetic engineering; transgenic; procedure; p

Ouery Match 13%; Score 14; DB 33; Length 2142; Best Local Similarity 100%, Pred 180; 346-02; Indels 0; Gaps Macches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 

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ç g

RESULT 337

AD 77954, 97

AD 77954, 97

AD 77954, 97

AD 77954, 97

BE ATX-binding proces, associated fector, hTAPIIIOO cDNA.

FOR ANY binding proces, associated fector, fAP, nuclear proces, fA

Tue Nov 17 08:55:26 1998

US-08-887-977-9. ED

in acreening, disgnostics and therapeutics
Disclosure: Page 11-147, 180pp: English.
The TMLM-Midding protein associated factor travillo (including specific antiboding protein associated factor travillo and disconsistent of disconsistent and therapouter. They are used in the Gewilopent of Bioglic biochemical assays for screening compounds that agonise or integorise selected transcription factors involved in regulating gene expression associated with mean parhology.

Sequence 212.0 ps. 637 A; 451 C; 534 G; 539 T; £ % 8 8 8 8 8 8 8 8 8 8 8

Query Match 1.34; Score 15; DB 12; Length 2152; Bast Local Similarity 10.04; Pred. No. 8.378-00; Indels 0; Gaps Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps

ö

FIGURE 100-1396.

PER 105534410-A.

PER 105534410-A.

PER 105534410-A.

PER 105534410-A.

PER 10553410-A.

P RESULT 319

D 14218 standard; CDNA; 2152 BP. AC 74218;

D 14218 standard; CDNA; 2152 BP. AC 74218;

D 274218;

D 274218;

D 274218;

D 274218;

D 374219;

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Tue Nov 17 08:55:26 1998
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U8-08-887-977-9.zng

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Cd A Typodil genomic library in Rebbil was screened with a fragment of a typodil genomic library in Rebbil was screened with a fragment of a close isolated by immunoscreening a Typodil strain RH cDNN.
C close isolated by immunoscreening a Typodil strain RH cDNN.
CC library Genomic close Graz-Rebbil conty a na insert which concepted the complete 28 SkD antidem was identified. The antiden is cheeping a creetion-secretion antigen of Typodil techypoiles CC and represents a cool candidate for effective vaccine production.
SQ Sequence 2152 BP, 555 A, 515 C; 575 G, 507 T;
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Score 14; DB 9; Length 2152; Pred. No. 3.47e+02; 0; Mismatches 0; Indels Ouery Match Best Local Similarity 100.0%; Matches 14; Conservative

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/*tag= a /*tag= A /*tag= A /*tag= A /*tag= A /*product= Epstein Barr virus induced polypeptide.

Woolules Dates to Decounter Expension Barr virus induced polypeptide. Product Expension Decounter Dates to Decounter REBULY 331

D G64123 standard; DNA: 2114 BP.

D G64125 1995 (first entry)

D Bysten Barr Vitus; ENV; induction; desection; diagnosis;

WW Powers Barr Vitus; ENV; induction; desection; diagnosis;

WW Powers antigen; growth; differentiation; mediator;

WW PARTONOVES; antigen; growth; differentiation; mediator;

WW PARTONOVES; DOUGLES; SS.

WW PARTONOVES; DOUGLES; SS.

FT Cas A product Expect Barr Vitus induced polypeptip

WW PARTONOVES; DOUGLES; DOUGL

Tue Nov 17 08:55:26 1998

PR 96-UTR-1995; UU0911.

PD 11-DEC-1997.

PR 66-UTR-1995; UU0911.

PR 66-UTR-1995; UU0911.

PR 106-UTR-1996; UU0911.

PR 1 RESULT 333

WO0661 standard; CDRA; 2162 BP.

WO0661 STANDARD STAND

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rheumatoid arthritis, psoriasis and coronary atheroms, and/or increase tubular regeneration of Aidney cells, e.g. following : remal failure Sequence 1162 BP; 607 A; 573 C; 571 G; 411 T:

Query Match 1.3%; Score 14; DB 19; Length 2162; Best Local Similarity 100:09; Pred. Rev. 3.474-09; Maches 14; Conservative 0; Mismatches 0; Indels (

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PR 1096136.3.

PR 109616635.

PR 109616635.

PR 109616635.

PR 10961693.

PR 10961693.

PR 10961693.

PR 10961693.

PR 109616933.

PR 10961693.

PR 109616993.

PR 109616993.

PR 109616999.

PR 10961699.

PR 109616999.

PR 10961699.

PR 109616999.

PR 10961699.

PR 10961699 NESULY 334 standard; CDNs, 2165 BP.

D 714054; 96 (Lizet entry)
DF 704054; 96 (Lizet entry)
DF 70405; 96 (Lizet entry)
DF 704

Query Match 1.3%; Score 14; DB 23; Length 2165; Best Local Similarity 100.0%; Pred. No. 3.47e+02; proteins. Sequence 2165 BP; 463 A; 617 C; 578 G;

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US-08-887-977-9. Eng

478 T;

543 G;

647 C;

486 A;

2154 BP;

Sequence

S

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Length 2154; Query Match Best Local Similarity 100.0%; Matches 14; Conservative

W0941855-A. /Product* Seven transmembrane receptor V31.

PD 07-UB-1934.

PD 07-UB-1934.

PD 07-UB-1935.

PD 07-UB-1935.

PD 07-UB-1935.

PD 08-OFF PATES.

P RESOLG 133

Discussion transmensions receptor (V11-B) coding sequence (cDNA)

Discussion transmensions receptor; receptor; amplification; pcR; pcassion real communication and polymers seven transmensions receptor; receptor; amplification; pcR; pcassions are considered to the constant of the constant o

Gaps ö Query Match 134, Score 14; DB 11; Length 2160; Best Local Similarity 100:09; Pref. Ro. 3.47e-07. Matches 14; Conservative 0; Mismatches 0; Indels (

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RESULT 339

TO 763417; 97

TO 90 angles phosphonolpyrvatic carboxykinase coding sequence.

TO 80 angles phosphonolpyrvatic carboxykinase coding sequence.

TO 80 angles phosphonolpyrvatic carboxykinase coding sequence.

TO 80 angles phosphonolpyrvatic carboxykinase.

TO 10 angles phosphonolp
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Noticitie sequence selectively expressed in pre-3 cells - used in probes for determining non-7 acute lymphoblast leukachia and for preps of polypeptide(s) and the probes for determining non-7 acute lymphoblast leukachia and Disclosure, pp. English (so the proper of polypeptide(s) are cold. These, and fragentie, are selectively expressed in pre-3 cells. They can be used to prepare a probe for the determination of the stage of differentiation of S cells. The probe can also determine if a given leukachia is of the non-7 acute lymphoblastic type. Any of the Jesquences can be used to prepare an indicate and proper any of the Jesquences can be used to prepare any of the Jesquences can be used to prepare any of the Jesquences can be used to prepare any of the Jesquences can be used to prepare any of the Jesquences can be used to prepare any of the Jesquences can be used to prepare any of the Jesquences can be used to prepare any of the Jesquences can be used to be used to prepare any of the Jesquences can be used to be used t
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No. 34-9-02, Matches 14, Conservative 0; Minmatches 0, Indels 0; Gaps
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2192 BP; 516 A; 499 C; 566 G; 511 T;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         1.3%; Score 14; DB 1; Length 2192;
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misc_difference 1451..145
/ Person_except= ATC encodes Valine.
misc_difference 7174..1716
/ Tebs_ ATC encodes Glycine.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           27-MOV-1987; 117619.
27-MOV-1987; 117619.
27-MOV-1987; 612-61843.
14-707-1987; 612-61843.
(190F) 190FPANNI-A ROCHE AG.
190F) 190FPANNI-A ROCHE AG.
190F) 190FPANNI-A ROCHE AG.
1971: 88-148447,2.
19593, 193996.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                standard; DNA; 2192 BP.
                                                                                                                                                                                                                                                                                                                                      Tue Nov 17 08:55:26 1998
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          Page 333
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PN 1878-1889
PN 18
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match 1.3% Score 14; DB 2; Length 2196; Set Local Similarity 100; Pred. No. 3.474-02; Set Constructive 0; Mismatches 0; Indels 0; Gaps Marches 14; Conservative 15; Conser
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   RESOUR 137

D (10958 standard; DNN; 2196 BP.

D (20958 standard; DNN; 2196 BP.

D (20958 standard; DNN; 2196 BP.

D (20958 standard; DNN; 2196 BP.

D (20058 standard; Double standard; St
                                                                                                                                                                                                                                                            0; Mismatches 0; Indels 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match
1.3%; Score 14; DB 1; Length 2177;
Barle Local Stallarity 100; 09; Perf. No. 3474+02;
Marches 14; Conservative 0; Manatches 0; Indels 0;
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          US-08-887-977-9. Eng
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Score 15; DB 15; Length 2232;
Pred. No. B.37e+01;
0; Mismatches 0; Indels 0; Gaps
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Bert Local Similarity 100,0%, Pred. No. 8.75e-01;
Marches 15; Conservative 0; Mimmatches 0, Indela 0; Gaps
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053465 etandard; DNM, 2222 BP.
053465 1994 (first entry)
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PR 21-MRC 1993; DP-241964.
PR 21-MRC 1993; DP-241964.
PR 21-MRC 1993; DP-241964.
PR 1995.
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M. PESDS: RA313416.

P. PESDS: RA313416.

P. PESDS: RA313416.

M. P
US-08-887-977-9. Ing
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Query Match 1.3%; Score 14; DB 21; Length 2251; Best Local Similarity 10/0; Pred. No. 3.4/e+0?; Matches 14; Conservative 0; Mismatches 0; Indels 0); Gaps

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RESULT 346

TD 6056/31

TO 605
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P-PSDB; 306457.
P-PSDB; 306457.
B-PSDB; 306457.
B-PSDB; 306457.
B-PSDB; 306457.
B-PSDB; 30645.
B-PSDB; 30647.
B-PSDB; 30647.
B-PSDB; 30647.
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Page 343

CC The sequence was obtd. from the longest of the alpha 1 gp. of
CV-PA clones isolated from a CDNA Library preed, from RNA from
CC the salivary Janda of vampire bats. The V-PA protein produced
Cn nexpession of the gene is a high molecular form consisting oil
CC a finger domain, an EGP domain, a Kringel domain and a processe
Cd domain. It is fibrin specific and dissolves blood clots.
CC See aslac 005674-005676.
Squence 2252 BP, 632 A; 548 C; 570 G; 502 T;

Omery Match 1.39; Score 14; DB 1, Length 2252; Best Local Similarity 100:09; Pred 100. 34.76+02; Matches 14; Conservative 0; Mismacches 0; Indels 0;

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PR W09100299-A.

PR W091001299-A.

PR W091001299-A.

PR W091001299-A.

PR W091001299-A.

PR W09100129-A.

PR
ILT 347

012189 tendard; DRN; 2252 BP.

012189. "I-SET-1981 (first errery)

Rabbit aperm-specific nuclear auto-antigenic protein gene. SRNP; infertility; ss.

Orytologue cuniculus.

KRY
66...2138
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96..2138
/*tag a /product sNAP
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Tue Nov 17 08:55:26 1998

continued to the property of t

Page 342

US-08-887-977-9.Eng

Page 341

1.3%; Score 15; DB 10; Length 2247;
Best Local Similarity 10:0; Pred, No. 9.378-01;
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps

Tue Nov 17 08:55:26 1998

US-08-887-977-9.xmg

Page 344

Query Match 1.3%; Score 14; DB 2; Length 2352; See Local Similarity locoto, pred No. 3.474-02; Matches 14; Conserveive 0; Minmatches 0; Indels 0; Gaps

US-08-887-977-9. Ing

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RESULT 349

DI 710816 standard; DNN; 2259 BP.

DI 710816 standard; DNN; 2259 BP.

Expost's ascroma associated herpeavirus ONP24.

RESPONT STANDARD 
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              PP 10-NOV-1991; DX0448.

PR 10-NOV-1991; DX 201344.

PR 10-NOV-1991; DX 201344.

PR 10-NOV-1994; DX 201344.

PR 1000 PR 1000-100015 A.

PR 10
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ID 727700, Standard; DNA; 2260 BP.

AD 727700, Standard; DNA; 2260 BP.

BO 1001700, Standard; DNA; 2260 BP.

BO 1001700, Standard; DNA; DNA; DNA; Standard; Standard;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match
1.38; Score 15; DB 20; Length 2259;
Best Local Similarity 100:09; Pred No. 9:174-01;
Matches 15; Conservative 0; Mismatches 0; Indels
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DI T10686 standard; DNA; 2159 BP.
AD 710686.
DI 1-SEP-1996 (first entry)
DE REPOSI's sarcoma associated herpesvirus ORP24.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Tue Nov 17 08:55:26 1998
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78 200046.A. /*tage f  
78 200046.A
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PR 11-NOV-1995; USAN-1995

PR 11-NOV-1995; USAN-1910

PR 11-NOV-1995; USAN-1910

PR 11-APR-1995; USAN-1910

PR 11-APR-1996; USAN-1996; USAN-1996
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        RESULT 351

ID 727731 standard: DNA: 2260 BP.

AC 727731.

DE WILDER, LINEAL STANDARD (15PK-1) coding sequence.

NY THENLIN Stimulated protein Kinase; 15PK, detection; screening:

KM THENLIN Stimulated protein Kinase; 15PK, detection; acreening:

KM THENLIN STIMULATED STANDARD (15PK-1) coding sequence.

KM THENLIN STANDARD (15PK-1) coding sequence.
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                                                                                                                                                                                      Query Match
1.3%; Score 15; DB 21; Length 2259;
Best Local Similarity 100:0%; Pred 18:0, 8.79-01;
Matches 15; Conservative 0; Mismatches 0; Gaps
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therapy; diagnosis; antisense; triplex; vaccine; AIDS; ss.
Kaposi's asrcoma associated herpesvirus.
                                                                                                                                                                                                                                                                                                                                                                   LT 348
Q56758 standard; DNA; 2255 BP.
Q56758;
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Tue Nov 17 08:55:26 1998

Page 348

Query Match 1.3%; Score 14; DB 23; Length 2260; Best Local Similarity 100:04; Pred. Ro. 3.47e-07. Marketone 0; Indels Matches 14; Conservative 0; Mismatches 0; Indels

Location/Qualifiers
1. 222
/*tsg* a //rtsg* a

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US-08-887-977-9. rng

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a fragment of the giveraldehyde-1-phosphate dehydrogenase (GAPDH) genefrom the minimal and a for fragment was 5 per genefrom the minimal and a foreign the minimal and a foreign the minimal and a foreign to give port. A 665 pp. Hindit fragment of this was used to acreen constant DNA to identify a DNA regenetr of this was used to acreen constant DNA to a foreign the minimal and a foreign general a foreign general and a foreign general a
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Query March 1139, Score 14, DB 12; Length 2271; Dest Local Similarity 100:09; Pered. No. 3408-402; Marches 14; Conservative 0; Minaschies 0; Indels 0) daps

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whose '0' 94-389201/44.

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RESULT 333

CONSTITUTE AND ACTION OF THE CONTROL OF

Tue Nov 17 08:55:26 1998

Page 351

US-08-887-977-9.xmg

Tue Nov 17 08:55:26 1998

US-08-887-977-9.rng

Page 352

21-JUL-1996; GO1675.
21-JUL-1996; GO1675.
(EXECUTION OF THE CONTROL OF THE CONTRO

Call and 9. Fig 10. 44pp; English

Claim 9. Fig 10. 44pp; English

Claim 9. Fig 10. 44pp; English

Lincorporated into noterly gene constructed and state to think cell

Encytaction in tapetum tissue and hence to produce make sterile

plants. Weter Regil was constructed in which the Resil promoter

to was used to control expression of the maker T-uril gene (see also

T60934). Which codes for a protein that inhibits cell respiration,

creal cultural subsequent plants. The vector was used to transform maker

call cultures. Subsequent plants. See C. 594 G; 594 G; 573 T;

Page 98-3095931.

Page 78-3095931.

Page 78-3095

Query Match 1.3%; Score 14; DB 28; Length 2194; Best Local Similarity 10:0%; Pred. No. 3.474-0; Indels 0; Gaps Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps

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Query Match Best Local Similarity 100.09, Pred. No. 140+092; Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps

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g

RESULT 355 standard; CDNA, 2312 BP.

CO 201521998 (first entry)

CO COUNTY 1958 (first entry)

CO COUNTY INDICE: human; drug absorption; drug delivery;

CO COUNTY INDICE: human; drug absorption; drug drug drug delivery; gracoss endochalial or epithelial barriers, or for reduction;

W09733605-A1. /*tag= a
18-5F2-1957 005809.
18-5F2-1956 09-01555.
(USAN 1997 1956 09-01555.
(USAN 1997 1966 09-01555.
P-5F0D: W44586.
P-5F0D: W44586.
G-5F0D: W44586.
G-5F0D: W44586.
G-5F0D: W4586.

Page 349

US-08-887-977-9. rng

Tue Nov 17 08:55:26 1998

The Ministry DNA supposition to familiar protein Kinase - useful to discuss the discussion of the ministry of the discussion of the ministry of the discussion of the presence of core and possibly Ministry Ministry of DNA encoding a material insuliar timulated protein kinase (1867-1) of can be used in the detection of the presence of other material SNA-100 of the method of detection comprises analysing an asolated SNA-100 of discussion. The method of detection comprises analysing a standard to a negative control restriction endountiesse which cleave at the city of method of the ministry of the minist

Query Match 1.3%; Score 14; DB 23; Length 2260; Beat Local Similarity 100,0%; Pref. No. 3474+02; A774+03; Marches 14; Conservative 0; Mismatches 0; Indels 0;

| RESULT | 1555 | Face | 1557 | Face | 1557

%888888888888888888888888

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A 1807/1998 (first entry)

DE Stepplococous aureus Gene 211 encoding CDNA sequence 1.

TW VerChilde disease protection; isolation; ss.

Stepplococous aureus Gene 211 encoding CDNA sequence 1.

Stepplococous aureus Gene 212 encoding CDNA sequence 1.

Stepplococous aureus Gene 212 encoding GDNA sequence 1.

PO 252-1397; 000524

PO 273-1397; 0005
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PRO910991-A.

PRO-LAM-1990.

PRO-LAM-1990.

PRO-CUT-1990: UG-31647.

PRO-CUT-1990: UG-31647.

PRO-CUT-1990: UG-31647.

PROSINGE TO PREMOUS CO.

PROSINGE TO PREMOUS CO.

PROSINGE TO PROBE EXPRESSION VECTOR WHICH CAN TEPLICATE TO PROSINGE TO PROS
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Pred. No. 3.47e+02;
0; Mismatches 0; Indels 0;
               US-08-887-977-9. rng
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SQ Sequence 2344 BP; 469 A; 732 C; 705 C; 438 T;
                                                                                                                                                                                       Score 14; DB 2; Length 2325;
Pred. Bo. 3.47e+02;
0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            LF 358
T80778 standard; cDNA; 2334 BP.
T80778;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   RESULT 359
ID 198985 standard; DRA; 2344 BP.
AC 199865;
DT 27-AFR-1998 (first entry)
                                                                                                                                                                                Query Match
Best Local Similarity 100.0%;
Matches 14; Conservative
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Best Local Similarity 100.0%;
Matches 14; Conservative
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PR 17-08-1995; TO 100.499.

PR 17-08-1995; TO 100.499.

PR 17-08-1995; TO 100.490.

PR 17-08-1995; TO 100.490.

PR 17-08-1995; TO 100.490.

PR 17-08-1995; TO 100.490.

PR 18-08-1995; TO 100.490.

PR 19-19-1905: TO 100.490.

PR 19-1905: WARD 100.490.

PR 19-1906: WARD 1006: WAR
                                                                                                                                                         Claim 4; Page 31-12; 49pp; English.

Chis chis chis sequence includes a claimed conding region for human cocculuit (see 194659), an integral transmembrane process for coming intercebiliar seals. The sequence was obtained from the seals of the sequence that showed homology to chitaken unity as process a last record that the seals of the s
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Dissophila filizied gene 2 (Df2) encoding a Whr receptor.

Why treceptor: Drosophila filizied gene 2 1022 gene;

Wing least receptor; My receptor; Adgmal framaduction; cancer;

Wing least receptor; My receptor; Adgmal framaduction; cancer;

My framework the filippe of the fil
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The colourse 184 11 15pp: Japanese.
The cephalosporin C acyclase product may be expressed in high yield
from a transformed acyclase product pay second to the product acyclase product and 235 Bp; 330 A; 734 C; 810 G; 391 T;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             10-707-1996

27-DEC-1984 27-27108

(ASAH ) ASAHI CHRICAL IND KK.

(ASAH ) ASAHI CHRICAL IND KK.

P-550B: 706016.

For Pesidomonas apecies and contains sub-unit of specified amino
US-08-687-977-9. ING
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RESULT 357

D 100007 standard; DNA; 2325 BP.

AC 800007 standard; DNA; 2325 BP.

D 2 300007 standard; DNA; 2325 BP.

E Sequence encoding cephalosporin C acyclase.

S Petadomas ap.

PR 17-07-186.

PR 27-08-186.

PR 27

Tue Nov 17 08:55:26 1998

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US-08-887-977-9. rng
Tue Nov 17 08:55:26 1998
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US-08-887-977-9. zng

673 T; Length 2379;

526 G;

494 C;

686 A;

SQ Sequence 2379 BP;

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Query Match
1.3%; Score 14; DB 36; Length 2379;
Best Local Similarity 100.0%; Pred. No. 3.478-00;
Matches 14; Conservative 0; Mismarches 0; Indels

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cc name SacelBaul probes were used in the Southern hybridisation and control to the first figuration of the first first
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Outery Match
1.39; Score 14; DB 2; Length 2151;
Best Local Similarity 100:0; Prec. No. 3-476+02;
Matches 14; Conservative 0; Minnarches 0; Caps

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RESULT 361

ID 179972 standard; DNA; 2379 BP.

IN OCCIDENT Afterion Decolorula; membrane tight junction: Control of the contro
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PF W09713982-A1.

PER W09713982-A1.

PER W09713982-A1.

PER W09713982-A1.

PER W0971398-A.

PER W1971-1991-1996.

PER W1971-1991-1996.

PER W1971-1991-1996.

PER W1971-1991-1996.

PER W1971-1996.

PER W1971-199

Tue Nov 17 08:55:26 1998

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Score 14; DB 31; Length 2394;
Pred. No. 3.47e+02;
0; Mismatches 0; Indels 0;
Ouery Match
Best Local Similarity 100.0%;
Matches 14; Conservative
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/*tag= a /label=consensus sequence 281..2271 exon

/*tag* b //label*exon 2 of fur gene

US-08-887-977-9. ID

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"M7005; etandard; DNA; 2400 BP.

17-0706; atandard; DNA; 2400 BP.

27-0706; order entry)
27-0706 of human ecliular homologue of v-fes/fps and upstream region comprising single fur exco. I.

18-070 comprising single fur exco. I.

18-070 sapless. Location/qualifiers

1745...251

1745...251

1745...251 

PE 246709-A.

PE

Ouery Match 1.3%; Score 14, DB 2; Length 2400; Best Local Similarity 100.0%; Pred No. 3.476+02. Matches 14, Conservative 0; Minmatches 0; Indels 0;

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Page 359

Tue Nov 17 08:55:26 1998

US-08-887-977-9. Eng

Page 360

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REDIT 156

TO 711355;

TO 7113
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Score 14; DB 21; Length 2403; Pred. No. 3.47e+02; 0; Mismatches 0; Indels Query Match 1.3%; Best Local Similarity 100.0%; Matches 14; Conservative

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327 CAAGTTGCTAAAAG 340

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US-08-887-977-9.rng

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Page 363
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                W09603316-A. to fluorequinolone antibacterials*

W09603316-A.

W0 -FEB. 1995.

PULL 1995.

                                                                                    11279: 0 (first entry)
S. atreus murant grift coding sequence.
S. atreus murant grift coding sequence.
S. atreus murant grift coding sequence.
DNA grane: Stanbylococcus autreus, topolacmerase IV; type II; E.coli;
DNA grane: PCR; amplification; primer; polymerase chain reaction;
DNA grane: PCR; amplification; primer; polymerase chain facetion; acciding aborterium;
DNA grane: Amplification; primers; polymerase chain facetion; and section antibacterial; inhibition; relaxation; decatemation; mutant; ss.
Exaphylococcus autreus.

Location/Qualifiers
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    0; Indels 0;
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Best Local Similarity 100.0%; Pred. No. 3.47e+02.
Matches 14; Conservative 0; Mismatches (
RESULT 365

DE 712371956 (Litate entry)

EN 67271959 (Litate entry)

EN 7271071991 (EN 60928)

EN 7271071991 (EN 70928)

EN 72
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PT W0911956-N.

PD 20-AUC-1993.

PD 20-A
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ENSENT. 166 mandard; DRN: 2407 BP.

C 027489: DT 027489; DRN: 2407 BP.

DT 02781-1993 (first entry)

DE GEI promoter and 5 gene portion.

RW expression casette: notrigon casette; probe; leaf;

RW expression casette; root; stamen; fertile pollen; ss.

GG 0278 sativa.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   /*tag= c
/labal= Transcription_initiation_site
2264.2407
/*tag= d
/label= El_gene_5'_region
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                                                                                                                                                                                                                                                                                                                                                  Location/Qualifiers
1..2263
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              tata_signal
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  misc_signal
                                                                                                                                                                                                                                                                                                                                                  Key
promoter
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US-08-887-977-9. IN

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Page 364

CC in the construction of a plant transformation vector comprising C maintains gene as described which can be used to transform rice CC and other plants 662 A; 543 C; 507 G; 695 T; ö Query Match
1.3; Score 14, DB 9; Length 2407;
Best Local Similarity 100.09; Pred. No. 3.478402;
Matches 14; Conservative 0; Mismatches 0; Indels

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/occon_atart= 1174.1176
/occon_atart= 1174.1176
/occon_atart= 1174.1176
/occon_atart= 1174.1176
/isfo and oryptdin-1 prepro sequence*
/isfo.1310
/isfo and oryptdin-1 prepro sequence*
/isfo and oryptdin-1 prepro sequence*
/isfo and oryptdin-2 and
/intege companies are companies and
/intege companies are companies and
/intege companies are companies and 20-007-1996 (first entry)
20-007-1996 (first Location/Qualifiers 1.1345 | RESULT | 368 | RESULT | 368 | RESULT | 369 | RESU

Isolated cryptdin peptide(s) - which have antimicrobial livity, used partic. In the detection and treatment of ilemancory pathologies in the detection and treatment of ilemancory pathologies. In the detection of the precursor and cryptdin-2 gene (13077) codes for the precursor is an cryptdin-2 gene (130792), an antimicrobial peptide

US-08-887-977-9. ID

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that exhibits activity against a broad range of intestinal and opportunistic pethodens. Ret cryptdin-2, -2, and -3 genes (see Baco 1905) and 190738) were isolated from a Spraque-Daviey genomic labrary chored in EDBL3. The cryptdin-2 gene, or corresponding CDNA (see also 730734), can be used to produce large amounts of cryptdin-2 for use in treating inflammatory sequence 2408 BP; 640 A; 531 C; 557 G; 680 T;
   88888888
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Omery Match 13%, Score 15; DB 22; Length 2408; Best Local Similarity 100:0%, Pred. No. 8.78-01; Marches 15; Conservative 0; Mismatches 0; Indels 0; Gaps

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This at the nucleotide expense of the gene for murine fixt X3, an entire fixt the nucleotide expense of the variant contains a replacement of the bases in the TRX Tay gene (099030). The variant contains a replacement of the bases in the tyrasine Kinase region, at postion 1801-75. This replaces the amino acids 601-614 of TRX IR protein sequence (R87023) in the tay amino acids 601-614 of TRX IR protein sequence (R87021) in the tay amino acids 601-615 shown there. The quality of the Manito Contains a signal brain the TRX fames extrity. The protein sequence (R87021) suffice response with typesine kinese explained a typesine of the signal and the signal brain of the tay of the signal and the transformed of the signal brain of the signal and the signal sequence (1872) shown the contained the signal and M82 The signal bail of the signal sequence of the signal sequence of the protein sa compared to their contained the transformed sequences in the protein as compared to their contained forms. The close of the portione track generation of the protein sa compared to their contained forms. The close of the portion of the protein sa compared to their contained forms. The close of the portion of the protein sa compared to their contained forms. The close of the portion of the protein sa compared to their contained forms. The close of the portion of the protein sa compared to their contained forms of the trace of

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Query Match 1.3%; Score 14; DB 12; Length 2409; Best Local Similarity 100 (%); Pred. No. 3.476+02. When the Matches 14; Conservative 0; Minmatches 0; Indels 0;

요.

RESULT 169
TO (0993): 393 (first entry)
TO (0

PR 04-JUL-1994; GB-013420.

PA (NATO-1, MATTHAL ENTIONEER RS COUNCIL.)

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PATTHAL ENTIONES OF PATTHAL ENTINE CALCULATION OF PATTHAL ENTIONES OF PATTHAL ENTINE CALCULATION OF THE POLYMER OF PATTHAL ENTINE CALCULATION OF THE POLYMER OF PATTHAL ENTINE CALCULATION OF THE PATTHAL CALCULATION OF THE PATTHAL ENTINE CALCULATION OF THE PATTHAL ENTINE CALCULATION OF THE PATTHAL CALCULATION OF THE PATTHAL CALCULATION OF THE PATTHAL CALCULATION OF THE PATTHAL CALCULATION OF TH

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Query Match 1.3; Score 14; DB 2; Length 2427; Dest Local Similarity 100.0%; Pred. No. 3476+02; Matches 14; Conservative 0; Mismarches 0; Indels 0;

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Tue Nov 17 08:55:26 1998

RESULT 31

TO 65500 standard: DNA: 2447 BP.

TO 65500 standard: Standard: DNA: 24500 standard: Standard:

Page 367

Tue Nov 17 08:55:26 1998

US-08-887-977-9.xmg

RESULT 370

MESULT 370

MESULT

opds. for opioid (ant)sgonist activity

Example: 78 80: Mpp. Engilsh.

To isolate opiace receptor genomic clones, 300,000 human genomic

clones and a minitar number of mouse genomic clones were probed

tith the 1.1 No mouse delta opioid receptor clone DN: 1 Pat/TNai

tragent. The mouse delta opioid receptor clone DN: 1 Pat/TNai

tragent. The mouse clone and three human promit clones were

which redicted clone with the three human promit clones were

which redicted clones with the fact opioid are represent

to chromosome 8 or its encodes the human kape opioid receptor.

Sequence 2447 BP: 683 A: 512 C; 488 G; 747 T;

£28888888888

Query Match Bast Local Similarity 100.09, Pred Ro. 3.47e+02; Indels 0; Gaps Matches 14; Conservative 0; Minmatches 0; Indels 0; Gaps

용 8

171 312 003431 Standard; GDNA: 2448 BP. 003453; Standard; GDNA: 2448 BP. 20-701-1900 (fitner entry) 20-701-1900 (fitner entry) 20-701-1900 (fitner entry) EDNA molecule which hyporidates to the CDNA of murine IRF-1 encoding a protein with IRF-1 activity. Interferon regulatory factor-1; interferon-beta gene; cis-elements: sea. Bukaryotic. Location/Qualifiars 154-1300 des 154-1300 Location/Qualifiers 154..1200 /*tag= a /product=IRF-1

PP 29-35202-A.

PD 28-27390.
PD 

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PRESULT 378

TO 756475; STATE CARA, 2503 BP.

TO 756475; STATE CARA, 2503 BP.

TO 86475; STATE CARA, 2503 BP.

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1.3%; Score 15; DB 22; Length 2457;
Best Local Similarity 100; 0%; Pred. No. 9.77+01;
Matches 15; Conservative 0; Minmatches 0; Indels 0;
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Pred. No. 3.47e+02;
0; Mismatches 0; Indels 0;
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             US-08-887-977-9. rng
                                                                                                                                                                       20-027-1996 (first entry)
make cryptdin 1 gene.
Cryptdin 1, smithiotic, antimicrobial; defensin; inflammation antifinflammatory; inflammatory bowel disease; pancreatitis; cancer; tumour; ileitis; de.
mattes sp.
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/note= exon 2 codes for
3' untranslated region"
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1..1390
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Best Local Similarity 100.0%;
Matches 14; Conservative
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      Page 369
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PR 10-MR-1999; 103891.
PR 01-MR-1999; 103891.
PR 10-MR-1999; 103891.
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022648 302648.
020648.
020647:1994 (first entry)
26-WAY:1994 (fir
                                                                                                                                                                Score 14; DB 1; Length 2448;
Pred. No. 3.47e+02;
0; Mismatches 0; Indels 0;
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product= TK negative trkB protein
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1..1431
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CA 1432. Standard; CDRN; 2483 SP.

CA 14423. Standard; CDRN; 2483 SP.

CA 17. Insective tribs gene in persect.

Fr da macculus.

Coexion persect.

Fr da 1.1431

Fr signal peptide 1.193

Fr signal peptide 1.193

Fr signal peptide 1.193

Fr signal peptide 1.193

Fr polya_signal 1.153.

Fr polya_signal 1.153.

Fr polya_signal 1.153.

Fr polya_signal 1.153.

Fr polya_signal 2.153.

Fr polya_signal 2.153
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ID T30736 standard; DNA; 2457 BP.
AC T30736;
                                                                                                                                                                0.3%;
Best Local Similarity 100.0%;
Matches 14; Conservative
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                                                                                                                                                                                                                                                              Or ADDA COLOR (18784) Onches for a novel rat cestrogen receptor.

CC ADDA COLOR (18784) Onches for a novel rat cestrogen receptor.

CC related unclear receptor (18173), designated Exters. A set of cestorist unclear receptor (18173), designated Exters. A set of cestorist unclear receptor (18173), designated Exters. A set of cestorist unclear receptors (18173), designated Exters. A set of cestorist unclear receptors (18173), designated Exters. A set of cestorist unclear receptors (1817), designated Exters (1817), designated (1817)
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Part Moiled ostrogen receptor beta - used to develop prods. for
treating e.g. cancers, CRS diseases, cateoporosis or cardiovascular
disease
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AC 70078:
AC 70
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Ro. 8,774-01; Mamatches 15; Conservative 0; Mamatches 0; Indels 0;
                                          US-08-887-977-9. rng
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               302222688... /Product-celliasse
526F1399: 045570.
27-FFB-1989: 045570.
27-FFB-1989: 045570.
28-FFB-1 SERRY SANCY GANCYO.
27-FFB-1 SERRY SERRY OF CALCORD. FAIRATSO.
27-FFB-1 SERRY OF CALCORD. FAIRATSO.
27-FFB-1 SERRY OF CALCORD. 
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       RESULT. 381
TO 000237 standard; DNA; 2568 BP.
TO 000237 standard; DNA; 2568 BP.
DE SEQUECE encoding cellulae.
RM Engree encoding cellulae.
GS Acetobecter yolinum 170 3288.
FM Cate of 190 3888.
FM Cate of 190 38888.
FM Cate of 190 388888.
FM Cate
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                                                                                                                                                                                                         RESULT 377
ID NROSS; standard: DNA: 2546 BP.
AC MROSS; STANDARD (14 tentral)
DE PROSESTION (14 tentral)
DE PROSESTION (14 tentral)
DE PROSESTION (14 tentral)
DE PROSESTION (15 tentral)
DE MARSS (15 tent
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P-5503: R89786:

New Jacobs R89786:

New Jacobs
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          US-08-887-977-9. rng
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No. 9.7374-01; Matches 15; Conservative 0; Minmarches 0; Indels 0;
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/*t.1881
/*tag= a
/note= *alternative start codon at 448..450*
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  RESULT 380

AD 72344 standard; oDNs, 2568 BP.

AD 72345 standard; oDNs, 2568 BP.

AD 72345 standard; oDNs, 2568 BP.

BR odergoes receptor bets, Rebets, oDNs.

BR officers of the standard; oDNs, and officers off
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the 65kd polypoptide fragments and a 70kd polypoptide, diagnostic respent for Chapas' disease can be made: 65kd polypoptide and 70kd polypoptide are recognised by all of the Chapasic sera tested, but not by Letshmania.

US-08-887-977-9.xng

Tue Nov 17 08:55:26 1998

Ocear Match 1.34; Score 14; DB 1; Length 2572; Pett Ko. 1474-02; A174-02; A174-02; Matches 14; Conservative 0; Manatches 0; Indels 0;

Berta. Sequence 2572 BP; 629 A; 623 C; 794 G; 526 T;

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Page 377
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                                                                                                                                                                                                         Ouery Match 1.34; Score 14; DB 1; Length 2568; Best Local Similarity 100.04; Pred Ro. 3,74e-02, Marches 14; Conservative 0; Mismatches 0; Indels 0;
    US-08-887-977-9.rng
                                                                                                  The DNA can be used to produce cellulase efficiently using recombinant DNA techniques. recombinant DNA techniques. Sequence 1568 BP; 602 A; 701 C; 740 G; 525 T;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             00-000103;
00-000-1990 (first entry)
Sequence of Trypanosoma cruzi gene encoding 65 kd protein
Chagas' disease; diagnosis; antigen; pBG1-1; ss.
Trypanosoma cruzi.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    RESULT 383 standard; DNA; 2572 BP.

DE NOOTH STANDARD (first entry)

ENGAGE OF ELFORMATION OF THE ALLY GENERAL STANDARD 
                                                                                                                                                                                                                                                                                                                   Tue Nov 17 08:55:26 1998
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RESULT 383
D 031985; standard; cDNA, 2607 BP.
D 031985; standard; cDNA, 2607 BP.
D 031985; standard; cDNA, 2607 BP.
D 011985; standard; cDNA, 2607 BP.
D 0114, and astrum L PAL gene.
NN PROPAGAINE amonda lyase; phenyl propanoid isoflavonoid; plant;
NN PROPAGAINE amonda lyase; phenyl propanoid isoflavonoid; plant;
NN PROPAGAINE AMONDA PROPAGAINE.
D 126. APR-1991; 097697.
PR 26. APR-1991; 097697.
PR 27. PROPAGAINE amonda lyase gene from plaum sativum L - TP plantal contg. gene, and E. cold transformed with plasmid. for preprince of lyase. 7; 9pp. Japanese.
The sequence is that of the phenylalanine amonda lyase (DCC CTC MP) amondativum L. The gene may be used to produce PAL CCC CTC MP 19079.
CTC MP 19079.
CTC MP 190799.
CTC MP 1907999.
CTC MP 1907999.
CTC MP 190799.
CTC MP 1907999.
CTC MP 19079

PR 30433035-A. Prinds a prinds

Ouery Match Smilarity 100 0, 4; Score 15; DB 6; Length 2607; Best Local Smilarity 100 04; Pred Re. 9774-01. Whenches 15; Conservative 0; Mismatches 0; Indels 0;

RESULT 184

AC 20166; standard; DRN; 2607 BP.

DE COAT-1937 (Ifrat entry)

DE COAT-1931 (SIGNE)

PRO 10-AN-1931; GAG631.

PRO 10-AN-1931.

PRO 10-AN-1931; GAG631.

PRO 10-AN-1931; GAG631.

PRO 10-AN-1

PR 28-723019-A2. /Product= Transketolase.

PR 21-2019-A2.

PR 21-2019-A2.

PR 21-2019-A2.

PR 21-2019-A2.

PR 21-2019-A2.

PR (SCEML) SECTION OF SECTION O 0.0sery Match 1.3%; Score 14; DB 24; Length 2639; Best Local Similarity 100;0%; Pred 18 NO 3.4(P+0.2; 14; Conservative 0; Mismatches 0; Indels 0; Gaps 29-JAM-1997 (first entry) Seguence emoding tobacco transketolase. Transketolase, herbiolde, Nicotiana tabacum: identification; Ficotiana tabacum. 60..2291 /*tag= a /product= Transketolase. Ocation/Qualifiers 50..2291 

US-08-887-977-9.xmg

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Score 15; DB 4; Length 2607; Pred. No. 8.37e+01; 0; Mismatches 0; Indels 0; Gaps Query Match 1.3%; Best Local Similarity 100.0%; Matches 15; Conservative

RESULT 385 ID T35903 standard; cDNA; 2629 BP. AC T35903;

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US-08-887-977-9. Ing
Tue Nov 17 08:55:26 1998
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DR P-PEDS: W1985.

PT DNR encoding RM, polymerase transcription factor, glorgin, 15, 18
PT DNR encoding RM, polymerase transcription rate of RM, and 110 kDs aubunits used to modulate transcription rate of RM, polymerase 125, page 66.65; 999p. English.

PS CLAM, 210 page 66.65; 999p. English.

C CDNA, clores (759996-99) respectively code for clorgin B cc cnd clorgin, A 18380-52), the 15 kM, 18 km and 110 kDs aubunits of transcription and 10 kDs aubunits of transcription and 10 kDs aubunits of companies and 10 kDs are of transcription factor which cc clorgin, A CRN, was obtd. by screening a human umbilical vein endothelial cell 50 kDs, and by 5 kDc (see also 75001-13).

C DNC clores are useful for the recenting the probe based on ret Elongin con south clores are useful for the recenting the property of the property of the control of Elongin. The Squares 2550 Bp. 631 k).

Query Match 1131, Score 14, DB 29, Length 2690. Best Local Similarity 100:01, Prefer, No. 14-Pro2; McChes 0, Hockes 14; Conservative 0, Mimarches 0, Indels 0, Gaps

. 8 e TUT 318
109370; atandard; DNA; 2708 BP.
109370; MAPK-1996 (first entry)
Raspberry E spene.
S-denosylmethionine hydrolass; Adoket hydrolass; Adoketses; SAM-K; S-denosylmethionine hydrolass; transgenic plant; fruit rot; Impening crow improvement; E spene; da 'Iras resistance; ethylene; pube sidestes.

Actual Acetas.

Location/Qualifiers

Assa. 1468: 1469

Assa. Assa. b /note* *email sequencing gap of unknown size*

M0955388-A. //DOC= OMEAL SEQUENCED AND SECURITY OF THE SECURIT

Query Match 1.34; Score 15; DB 14; Length 2658; Best Local Similarity 100; 04; Pref 160: 8.774-01; Best Local Similarity 100; 04; Prem 15: Conservative 0; Mismatches 0; Indels 0; ò 윱

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identified. Primers based on a DRA sequence (109869) showing homology to the towns DE 4 gene allowed the 5' and 3' and of the respect 79 gene to be isolated, and additional raspbarry B4 gene sequences were ord. By hybridisation accessing of sepondic library closes, to provide the genocal sequence. The E4 gene percent on be tested for regulatable expression of heterologous genes in sequence 2708 BP; 860 A; 483 C; 537 G; 824 T; នឧឧឧឧឧ

RESULT 189

In 709976 and dard DNN: 2708 BP.

In 709976 and dard enderd, DNN: 2708 BP.

In 1. According a (first entry)

Response and figure.

Response an

Ouery Match 1.1%; Score 14; DB 18; Length 2708; Best Local Similarity 1009, Pred No. 3.474-02; Asches 14; Conservative 0; Mimmatches 0; Indels 0; Gaps

US-08-887-977-9.rng

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unsure

ment provessivor.

Increased supporter, increased fundal or viral resistance, or increased supporter story or viral resistance, or predicted ethylene Storynthesis English.

Disclosure: Page 50, 65pp. Storynthesis Copy of a raspberry 54 gene was

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US-08-887-977-9.Ing

polya_signal

polya_signal

Query Match 1.34; Score 14; DB 20; Length 2708; Best Local Similarity 100.04; Pred. No. 3.47e-07. Maker Matches 14; Conservative 0; Mismarches 0; Indels 1

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RESULT 390

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US-08-887-977-9. mg

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Nice; starch; transit peptide; pectin; cereal; aminopectin; seeds: reverse transcriptuse; plaques; es. Orysa estiva.

Location/Qualifiers

Key 5'utr transit_peptide 18

mat_peptide

3'utr

10.152-1932; 103499.
10.482-1931; 103499.
10.482-1931; 103499.
10.482-1931; 103499.
10.482-1931; 103-26681; 103-26681.
10.582-1931; 103-26681.
10.582-1931; 103-26681.
10.582-1931; 103-26831.
10.582-1931; 103-26831.
10.582-1931; 10.582-1932; 10.582-1932.
10.582-1931; 10.582-1932.
10.582-1931; 10.582-1932.
10.582-1931; 10.582-1932.
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FIREFACE TO THE STREET OF 
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Refort, Deta-13GalNucaipha-2)-stalic acid transferse; receptor;
Refort, Gal-beta-1,3GalNucaipha-2)-stalic acid transferse; receptor;
Sycolipid; sycoprotein disacoharde Gal-beta-1,5-GalNuc;
stalic acid prevention; cancer metastasis sizal affection;
stalic acid prevention; cancer metastasis sizal affection;
Retura norregicus.
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A. P. Luga - e. P. Luga - e.
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81.1313
- Agaduc al-beta-1,3GalWac,alpha-2,3-sialic acid
- Aproduce Gal-beta-1,3GalWac,alpha-2,3-sialic acid
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Sequence 2725 BP; 654 A; 732 C; 730 G; 609 T;
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D 054474 standard; cDNA to mRNA; 2733 BP. AC 054674; 94 (first entry)
DT 07.4076; 810e starch branching enzyme cDNA.
Q94306 standard; cDNA to mRNA; 2725 BP.
Q94306;
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Tue Nov 17 08:55:26 1998 US-08-887-977-9.

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RESULT 392

ID 062315; scandard; cDRN to mRRN; 2733 BP.

AC 062315; DP 063315; DP 063315; DP 063315; DP 063315; DP 063315; DP 064015; DP 064015; DP 065015; DP 065015

Oncary Match B. 13; Score 14; DB 10; Length 2733; Best Local Shallarity 100, 09; Pred No. 3.476+02; Matches 14; Conservative 0; Minmatches 0; Indels 0;

558 C; 674 G; 749 T;

752 A;

rice. Sequence 2733 BP; Page 388

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misc_difference 233..239

FT misc_difference 233..239

FT (AD18606-A. 10 the specification* 133-240 are unclear in the specification* 10 the specification
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Query Match 1.3%; Score 14; DB 15; Length 2746; Best Local Similarity 100.0%; Pred. No. 3.47e+02; Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps

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18-JUL-1996.
PR 113-JUL-1996.
PR 113-JUL
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PR 21-APR-1988; 30.0657.

PR (AFAP.1988): 50.0583.

PR (AFAP.1988): Good Office of the control o

Query Match 13%; Score 14; DB 1; Length 2762; Deet Local Similarity 100.0%; Pred 160: 3.40-02; Indels 0; Gaps Matches 14; Conservative 0; Mismatches 0. Indels 0; Gaps

Db 2412 tgatgttggggctt 2425 611 TGATGTTGGGGCTT 624

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Query Match 1.3%; Score 14; DB 25; Length 2750; Best Local Similarity 100:03; Perd 180: 3.474-07; Macches 1.40; Conservative 0; Mismatches 0; Indels 0; Gaps 0; qq

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RESULT 395
ID 880976 standard; DNN, 2762 BP.

AC 880976.

AC 880977 STEP 1990 (first entry)
DE 60876 STEP 1982 STE
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US-08-887-977-9. III

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(UTCA-) UNIV CASE WESTERN RESERVE. HAGGI T. Tindal MH; 97-4466.26/41. P-PSDB; W35.293.
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Query Match 1.3%; Score 14: DB 36; Length 2763; Pest Local Similarity 100:0%; Pred. Roc. 374e-02; Advantohes 14: Conservative 0; Himmatches 0; Indels 0;

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Location/Qualiflers 222. 2304 /*ttag= a 2722. 2727 /*tag= c /*tag= c RESULT 397

10.013199 standard; CDNA; 2781 BP.

10.0131991 (first entry)

22.02-07-1991 (first entry)

23.02-07-1991 (first entry)

24.02-08 Drosophila. Location/Qualifter

25.03-08 Pr.

27.02-08 Pr.

27.03-08 Pr.

28.03-08 Pr.

29.03-08 Pr.

20.03-08 Pr

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Tue Nov 17 08:55:26 1998

US-08-887-977-9. Ing

RESULT 396
D 795212 standard; DNA, 2763 BP.
NO 795212 standard; DNA, 2763 BP.
D 795212 standard; DNA, 2763 BP.
D 8000 Standard; DNA, 2763 BP.
NO 81 Standard; DNA 81 Standard; SNA 81 STANDARD; SNA 891 STANDARD; SNA 891 STANDARD; SNA 891 STANDARD; SNA 892 STANDARD;

16-70-1931.

PP 16-70-1991.

PR 26-NOV-1993.

PR 26-NOV-1993.

PR 16-NOV-1993.

PR 16-NOV-1993.

PR 16-NOV-1993.

PR 16-NOV-1999.

PR 16-NOV-1

Ogery Match 1.3%; Score 14, DB 2; Length 2781; Best Local Similarity 100:0%; Pred 180: 3.40-02; Matches 14; Conservative 0; Mismatches 0; Gaps 

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RESULT 398
D0 055617; standard; DNA, 2800 BP.
C0 055617; standard; DNA, 2800 BP.
D1 15-707-1994 (first entry)
D2 Nishor, 1994 (first entry)
D3 Nishor, 1994 (first entry)
D3 Nishor, 1994 (first entry)
D4 Nishor, 1994 (first entry)
D5 Nishor, 1994 (first entry)
D5 Nishor, 1994 (first entry)
D6 Nishor, 1994 (first entry)
D6 Nishor, 1994 (first entry)
D7 Nishor, 1995 (first entry)
D7 Nishor, 1994 (first entry)
D8 Nishor, 1994

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PER WO9115239-A.

MO9115239-A.

PD 27-AUC-1991.

MO911529-A.

MO911529-A.

PD 27-AUC-1991.

MO911529-A.

PD 27-AUC-1991.

MO9115-B.

MO911529-A.

MO9115-B.

MO9115-B
                                                                                                                                                                                                                                   This represents the poly CHMA exequence. This cDNA was isolated using probes designed using frequence of the ploy automated served exequence designed to the problem of the returning and functionally smaller to the gas protein of the returning and selectionally smaller to the gas protein of the returning and selectional parties to ploy binds with and obtained the ploy pocket. The ploy both of the ploy procket can perform a T-ploy binding function and a Elahypio account their respective 'pockets' but wery little homology outside this respective 'pockets' but wery little homology outside the sequence 2808 Bp. 931 M; 346 C; 577 G; 764 T; 764 T; 277 G; 112.
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013390 standard; cDRN; 1830 SP.
013390 standard; cDRN; 1830 SP.
013390 standard; clirat entry)
Encodes 1708D heary chain of the Cal/GalKke adherence lectio.
Retrigoric raproders, mercholdstelle amoebic trophosoite; 8s.
Fortuneda histolytics stalm NT 903
ASP Cantion(Outliflers
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                                                                                          Opery Match 1.3; Score 14; DB 2; Length 2830; Best Local Smilarity 100.09; Pred. No. 3.478-402; Indels Matches 14; Conservative 0; Mismatches 0; Indels
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Best Local Similarity 100.0%; Pred. No. 3.47e+02;
Matches 14; Conservative 0; Mismatches 0
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1..2805
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10.1018.4 standard; CDNA; 2816 SP. 10.1018.4 standard; CDNA; 2816 SP. 10.1018.4 standard; CDNA; 2816 SP. 10.1018.4 standard; CDNA; C
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Page 393
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match 1.3%; Score 14; DB 3; Length 2916; Bert Local Similarity 100, Pred. No. 3.476-02; Indels 0; Gaps Matches 14; Conservative 0; Mismarches 0; Indels 0; Gaps
         US-08-887-977-9.xng
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10-MPR-1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ESULT 401

0 014380 standard; DNA; 2816 BP.
014380; T14F82=1992 (fixat entry)
E Soluble Insulin-like Growth Factor receptor gene.
E Soluble Insulin-like Growth Factor receptor; IGF; da.
Extracellular receptor; IGF; da.
11.2805
FF cds
/*tag= a
                                                                                                                                                                                                                                             /product= Tbp1
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WOSSOTOG-A.

PROSOTOG-A.

PROSO
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21.807.1955 (first entry)
Carsabopper semaphorin | CDM,
Semaphorin; gresshopper; human; vaccinia virus; Drosophila; fribolium;
variola majorin; gresshopper; human; vaccinia virus; bridding activity;
modulation; nerve cell growth; immune respons: viral pathopenesis;
neurological disease; neuro-regeneration; oncological infection; decreasing the province of 
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                /*tag= a /product= grasshopper semaphorin
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451..2643
MESUIZ 403

O 8944, atandard, cDNA, 2854 8P.

O 8944, atandard, cDNA, 2854 8P.

O 8784, 1955 (flast entry)

E Carabhophery graphonium seam of the control of
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Owery March 1.3; Score 14: DB 15; Length 2854; Sear Local Shailarity 100 ON; Pred. Ro. 1,474-02; Matches 14; Conservative 0; Mismatches 0; Indels 0;

366 tgtgctctacgctt 379

CC R65965. The GAPDH promoter is useful for expressing foreign genes co. in rince was compared to the control of the control o US-08-887-977-9.xmg Length 2857; Query Match 1.3%; Score 14; DB 12; Best Local Similarity 100.0%; Pred. No. 3.47e+02; Matches 14; Conservative 0; Mismatches 0 Tue Nov 17 08:55:26 1998

NESULT 405

DE 77370 standard; CDM3, 2866 BP.

DE 77370 standard; CDM3, 2866 BP.

DE 77478-1995 ((first enry))

DE 77478-1995 ((first enry))

DE 77478-1995 ((first enry))

N. Humour necrosis factor receptor; NPF R; p551C;

NH HV; ss.

HV; ss.

RW 4.2706

PR 74.2706

PR 74.2707

PR 74.2706

PR

PR NO9531544-A1.

PR NO9531544-A1.

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PR NOP531544-A1.

PR NOF NO NOSCA.

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PR NOSCA

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Onery Match
1.34; Score 14; DB 17; Length 2866;
Best Local Similarity 100:09; Prefe No. 34-6402;
Matches 14; Conservative 0; Mismatches 09; Indels 0; Gaps

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Page 399

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US-08-887-977-9.rng

30-007-1991 (first entry)
T3 RM polymeraes
T3 RM polymeraes
Tannoter; E. coli; cloning; sequencing; mutagenesis; polylinker;
transcription; es
T3 the first polylinker;
for extention for the first fo /*tag= c /note= *E. coli RNA polymerase* /*tag= a //abei= 7.1046i= 2810. 7832 /*tag= b /*tag= "T3 RNA polymerase" 47..76 RESULT 406

M. 01382 atandard; DNA; 2876 BP. M. 01382 at an old of the control of

THE GENERAL SECTION OF THE WAS POLYMETRASE.

TO ADDRESSED GENERAL SECTION OF THE SECTION OF THE

628 T; 769 G; 746 A; 733 C;

Page 398

912 TGTGCTCTACGCTT 925

MOS423606-A.

PD 10-709-1994.

PD 10-709-1994.

PD 10-709-1994.

PD 10-709-1994.

PD 10-709-1994.

PD 10-709-1994.

PD 10-709-1995.

PD 10-709-1995.

PD 10-709-1995.

PD 10-709-1995.

PD 10-709-1996.

PD 10-709 ESSUIT 404

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TO 07820 CAUSING SEASON SEASON BD.

TO 07820 CAUSING SEASON SEASO

Page 400

Tue Nov 17 08:55:26 1998

Page 397

US-08-887-977-9. mg

US-08-887-977-9.zmg

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US-08-887-977-9.rng
Tue Nov 17 08:55:26 1998
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US-08-887-977-9.mg

Tue Hov 17 08:55:26 1998

Page 401

RESULT 166421 standard; cDNN to mRNN; 2922 BP.
At 766421 standard; cDNN to mRNN; 2922 BP.
DI Filmen P100 protein coding sequence.
DE Human; 268 proteasome; 7100 protein; protease; yeast; oncogene.
KN canner. cell; liver; kidney, diagnosis; malignant tumour; ds.
OS Rome saplems.

Location/Qualifiers
34..2760
/*tag= a
/product= Plo0 protein

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Length 2876,
  Score 15; DB 2; Length 2876;
Pred. No. 8.37e+01;
0; Mismatches 0; Indels
Ouery Match
Best Local Similarity 100.0%;
Matches 15; Conservative
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PH N09504073-A. (**Eag* b)

N0 1009504073-A. (**Eag* b)

N0 1009504073-A. (**Eag* b)

N0 1009504073-A. (**Eag* b)

N0 100-NOV-1993; NG-168209

N0 100-NOV-1993; NG-168209

ND 100-NOV-1993; NG-168209 

ö Query Match
1.3%; Score 14; DB 14; Length 2884;
Best Load Similarity 100.0%; Pred. No. 3.47-46.
Best Load Similarity to Wismatches 0; Indels 0; Gaps
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps

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The file of the fi

134, Score 15, D8 5, Length 2929,
Best Local Smilarity 100 04, Pred No 37+01, Indels 0, Gaps
Maches 15, Conservative 0, Mismatches 0, Indels 0, Gaps

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[t(15,17)(q21,q11-22)]; breakpoint; polymerase chain reaction; sa. Synthetic. Location/Qualifiers | Location/Qualifiers | 103,1488 | 103,1488 |

Š Page 404

Tue Nov 17 08:55:26 1998

Page 403

RESULT 409
DD 029318 standard: CDRs, 2928 BP.
DD 07930R-1933 (first entry)
DT 07-MAR-1933 (first entry)
DR Reliable gene.
NW Relinoic acid receptors: RAR-alpha: myl, acute promyelocytic leukemia:
RM Relinoic acid receptors: chromosome 17; chromosome 15; PCRs, primer;

Quest Match 1.3%; Score 14; DB 29; Length 2922;
Best Local Similarity 10.0%; Pred. No. 3.47-602;
Matches 14; Conservative 0; Minmatches 0; Indels 0; Gaps

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PD 11-MX-1994.

PP 11-MX-1994.

PR 0-007-1993; UG 956953.

PR 0-007-19953.

PR 0-00

Query Match 1.34, Soare 14, DB 10; Length 2937; Best Local Similarity 100.09, Perel Bos. 3.47+902; Matches 0, Indels 0, Gaps Matches 14; Conservative 0; Matches 0, Indels 0, Gaps  

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US-08-887-977-9.zng

Page 406

US-08-887-977-9. zmg

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H. HUTC-) HUTCHINSON CANCER RES CERT PRED.

Oulling 18-0212741

B. PSDS 1860213.

Prev bacaropoletic stem cell lines with specific differentiation properly Regions 186021.

Properly 186021.

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ö Query Match
1.34; Score 15; DB 14; Length 2940;
Best Local Similarity 100:04; Pred. Ro. 8.75e+0;
Matches 15; Conservative 0; Mismatches 0; Gaps

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M90.129

180.02 of close phases

DAR of close phases

Close phases; human

complexes; human

Rey [Centalogualifiers

Anger 103.1449

/*tag= a
ARBOUT 412

AD 199012 standard; DNA; 2940 BP. AD 190012 standard; DNA of Cloue phRAH; DNA retinoic acid NA Rey (Eucaton/Cullife Cast (Eucaton/Cullife
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Best Local Similarity 100.0%; Pred. No. 3.47e+02;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps
                                                                           Db 2506 gtggaagctgctga 2519 [11] [11] [1] Qy 600 GTGGAAGCTGCTGA 613
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P-192D3 WAS 121.

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To a species of season of growth i. e. duplication of major contained and arrest of the cell growth is explain. A claimed mathod to contain the contained property and a contained integrity of the state of processing sense is bether in thinking of major contained the process and the contained and and the contained the process and the contained which the contained the contain DE 199433 standard: DNA, 2970 BP.

WE HEST 1997 (dirt amaz) checkpoint protein kinase; phosphorylation: ss. Contions of Atlanta and Atlanta an

RESOUR 413

D 7165300, TAN 1397 (Ifrat entry)

DE 24.728-1397 (Ifrat entry)

DE 25.728-1397 (Ifr Property 1991315/19.

Propose WRI. 96-1993315/19.

Propose WRI. 96-1993315/19.

Propose WRI. 96-1993315/19.

Propose WRI. 96-1990 William Service and Percentification of the Computation of the Computatio CC transcription activating properties of retinoic acid receptor (NN) protein. Dead to make chimario receptors. CC to produce receptor, to study binding complexes, and to screen act for RN-sponies and antaquates. Ocery Match 1.3%; Score 15; DB 1; Length 2940; Peat Local Similarity 100.0%; Pred Roc. 9.774-001. 8774-01. Marches 15; Conservative 0; Mismatches 0; Indels 0; g

1.3%; Score 14; DB 24; Length 2951;

US-08-887-977-9. xng

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Page 407

Page 408

111299) 05-ANG-1996 (first entry) Mirrate reductase coding sequence. Mirrate reductase; populus nigar; absorbtion; nitrogen oxide; pollutant; 0; Indels 0; 0; Mismatches Matches 14; Conservative 

PH 108021978-A. /*tage e PH 108021978-A. /*tage e PH 10-024-1966. PH 10-024-1966. PH 10-024-1966. PH 10-024-1966. PH 10-024-1966. PH 10-02-1969. PH 10-02-19 /*tag a /product intrate reductase complement (757.777) /*tag binding site for the primer represented by 113000* complement (1447...1472)
//tege property for the primer represented by 2015...2950
//tege primer represented by 2015...2950
//tege primer represented by 2015...2950
//tege primer represented by 2015...2950 ESSUIT 1939 standard, CDM to mRUM, 1982 BP. M. 713999 standard, CDM to milk the first ontry)

Mittate reductase; coding sequence.

KN Mittate reductase; coding sequence.

KN Mittate reductase; coding sequence.

Mittate reductase; copula nigar; absorbting size for the complement (357..777)

FT Code Popula nigar.

FT Code Popula Popula nigar.

FT Code Popula nigar.

Query Match 1.3%; Score 14; DB 20; Length 2982; Dest Coal Similarity 100;04; Pref. No. 3.45+02; Matches 14; Conservative 0; Mismatches 0; Indels 0;

Query Match 1.3%: Score 14; DB 38; Length 2970; Best Local Similarity 100.0%; Pred. No. 3.47e+02;

US-08-887-977-9. zng

P-PSDB: R93116.
Diagnosis of hereditary retinal degenerative diseases e.g. retinitis
pidagnosis of hereditary retinal degenerative diseases e.g. retinitis
pidagnosa, - caused by a human photocreceptor protein mutation, by
detection of the mutation by PCR amplification or hybridisation

Proceedings of the column 19-24; 71pp; English.

Confirm sequence encodes human prodogulo, and is aborn without this sequence encodes human prodogulo, and is aborn in 71716.

Substitution of Aintidiance, with introns, is shown in 717116.

Substitution of Aintidiance, with introns, is shown in 717116.

Substitution of Aintidiance, with Aintidiance and Could and Council on English and Council on English and Council on English and Council on English and English

Query Match
1.3%, Score 15; DB 19; Length 3016;
Best Local Similarity 100.6, Pred. No. 8.378-01;
Morbres 15; Conservative 0; Mimatches 0; Indels 0; Gaps

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PR 22-MR-1992.

PR 22-MR-1992.

PR 22-MR-1992.

PR 22-MR-1992.

PR 22-MR-1992.

PR 22-MR-1992.

PR 22-MR-1993.

PR 22-MR-1993.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                               RESULT 415

10. 171113 standard: DNA: 3016 BP.

10. 171113 standard: DNA: Standar
US-08-887-977-9. rng
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Query Match 1036; Score 15; DB 5; Length 3036; Best Local Similarity 100:0%; Pred No. 9.754.03; Arches 15; Conservative 0; Mismatches 0; Gaps đ

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RESULT 418

TO VOOLT 418

TO VOOLT 418

TO VOOLT 51998 (first entry)

TO 11-7018-1998 (first entry)

TO 11-7018-1998 (first entry)

TO 11-7018-1998 (first entry)

TO 11-7018-1998 (first entry)

TO 11-7018-1999 (first entry)

TO 11-7018-1999 (first entry)

TO 11-7018-1994 (first entry)

TO 11-7018-1998 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Anticancer composition comprising two anti-sense oligo:nucleotide(s) - taxgetting cytoplasmic and nuclear encogene(s) claim 1; column 145-136; 97pp; Emplish.
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US-08-887-977-9. rng

RESULT 417

TO 029344 AS andard, ODNA, 3036 BP.

TO 029344 AS andard, ODNA, 3036 BP.

TO 029344 AS a candard, ODNA, 3036 BP.

TO 03948-190 (fast entry)

TO 04948-190 (fast entry)

TO

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Query Match 1.39, Score 15; DB 40, Length 3036; Best Local Statlarity 100.09, Pred. Ro. 8.19r-01; Matches 15, Conservative 0, Minaschies 0, Indels 0; Gaps Matches
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Coffol standard; CDNR to MERA; 3123 BP.

Coffol standard; CDNR to MERA; 3123 BP.

Coffol standard; CDNR to MERA; 3123 BP.

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Page 414

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PER NO911114.A. / Ttag= b

TO 20111114.A. / Ttag= continue con
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10 04343 standard: ODN: 3129 BP.

10 04343 standard: ODN: 3129 BP.

11 10000-1933 (first entry)

12 Rhodov-1933 (first entry)

13 Rhodov-1933 (first entry)

14 Rhodov-1934 (first entry)

15 Residitary.

16 Residitary.

17 Residitary.

18 F. Thim transcript 200: 1344

17 Cas.

18 F. Thim transcript 200: 1341

18 F. Thim transcript 200: 1355

18 F. Thim transcript 200: 1365

18 F. Thim transcript 200: 1365

18 F. Thim transcript 200: 1366

18 F. Th
          Length 3123;
Query Match 1.3%; Score 15; DB 12;
Best Local Similarity 100.0%; Pred. No. 8.37e+01
Matches 15; Conservative 0; Mismatches
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PN 99117253-A.

PN 99117253-A.

PN 99117253-A.

PN 991177531-A.

PN 99117753-A.

PN 9

Query Match 1.3%; Score 14; DB 3; Length 3141; Best Local Similarity 100; O%; Pred. No. 3.47e+02; Matches 14; Conservative 0; Mismatches 0; Indels 0;

RESULT 422
D 014615 standard; CDNA; 3141 BP.
AC 014615;
D7 14-FEB-1992 (first entry)
DP Byrid human insulin-IGP-I receptor gene.
KW Insulin-like growth factor; IGP-I; da.

/*tag= a /note= "Extracellular domain of hybrid insulin/ IGF-I receptor"

RESULT 431
RESULT 431
RESULT 431
DO 04481 stendard; DVB; 3141 BP.
DT 14-FEB-1992 (first entry)
DE Extracellular demain of hybrid insulia/ICGP-1 receptor.
RETERECTION TO FEB-1992 (first entry)
F. R. Extracellular receptor; ICGP; fusion protein; ds.
PT cds.
12...859 (validities)

0; Indels 0; Gaps Query Match 1.3%; Score 15; DB 7; Length 3129; Best Local Similarity 100.0%; Pred. No. 8.37e-0; Marches 15; Conservative 0; Mismatches 0; Indels 윩

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Location/Qualifiers
12..2857
/*tag= a
/*product=hybrid receptor
12..952 Homo sapiens. Key cds

15.353 "tags by 25.353 \$55..287 "tags c /tags c /tags c

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Ouery Match 1.3%; Score 14; DB 3; Length 3141;
Best Local Similarity 100,04; pred No. 3.47+402;
Matches 14; Conserrative 0; Mismatches 0; Indels 0; Gaps

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Page 415

US-08-887-977-9. xng

Location/Qualifiers 220..2805 /*tag= a

PR W09640977-A1.

PD 10-202-1996.

10-7078-1995 (100401).

PR (COLD) - COLD SPRING MARDON LAB.

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COLD SPRI

Onery Match 1.3%: Score 14; DB 30; Length 3214;
Best Local Similarity 100:09; Pred. No. 3.470-60;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps

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Page 416

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763360 standard; CDRA; 3214 BP.
23-305. [1997] (filter entry)
23-305. [1997] (filter entry)
23-305. [1997] (filter entry)
Cotiglio of replication complex; ORC; gene therapy; cancer; Ortiglio of replication complex; ORC; gene therapy; cancer; Hope aspiens. Location; hypersensitivity; ds. Rey 200.:2805 [1998]

Db 2190 cctgccagagcgaa 2203

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PR GE310747-A.
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PR GE310747-A.
PR GE310747-A.
PR GE310747-A.
PR GE3107-A.
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Page 419

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Page 420

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Outery March 13%; Score 14; DB 24; Length 3291; Bast Local Similarity 10%; Pred. No. 3.476+02; Marches 14; Conservative 0; Mismatches 0; Indels 0; Gaps

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Twas inserted into the XmnI restriction site at the raminus conding region of B. huringtensis war. temebrides to DNA encoding the gress visual membrane protein of Acrey Y linked to the Bit Coxin conding equence vix the The gress species of a midguit targetting.

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833 CCTGCCAGAGCGAA 846

RESULT 414

D 77238;

AC 77228;

D 12-872-1997 (fitter entry)

D 2-872-1997 (fitter entry)

D 2-872-1997 (fitter entry)

D 2-872-1997 (fitter entry)

W 07434 no d'replication complex protein 1 gene, replication complex; ORC; passers; human civilon or replication complex; ORC; passers; human fortant protein reaction; open reading frame; cancer; call growth; KW polymerase chain reaction; open reading frame; cancer; infection; or Rom sapiene;

FR Key Constant of the constant o

Location/Qualifiers 220..2805 /*tag= a /product= ORC1 protein

Ouery Match Bern 1.31; Score 14; DB 31; Length 3214; Best Local Similarity 100.04; Pred. No. 3.476+02, Marches 14; Conservative 0; Mismitches 0; Indels 0;

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2190 cctgccagagcgaa 2203

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diagnosing susceptibility or predisposition to cancer in a patient. The nucleic acid mobiles are used to design probles or primers for EN to nucleic acid mobiles are used to design probles or primers for EN to determine or determine problem is useful for acreains for subsequence region is useful for acreains for subsequence which modifies the expression of nucleic acid under mounts of our propert. Antibodises used to determine the presence, mounts of our propert is a RNA propertied or its nucleic to access the properties of the

0; Indels 0; Gaps 0; Length 3233; Query Match 1.3%; Score 15; DB 35; 3Best Local Similarity 100.0%; Pred. No. 8.37e+01; Matches 15; Conservative 0; Mismatches 0.

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D 71(05 standard; CDNA to mRNA; 3291 BP.

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Length 3320; 0; Indels

Query Match 1.3%; Score 14; DB 38; Best Local Similarity 100.0%; Pred. No. 3.47e+02; Matches 14; Conservative 0; Mismatches 0

832 G;

844 C;

922 A;

CC diagnostic tools. SQ Sequence 3320 BP;

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signals for bacterial endocoxina. Of three different Bit/gp64 gene fisions that twee constructed, DRVIO was the longest. It was trained three constructed, DRVIO was the longest. It was trained three is cold bill and expressed, when tested spain as the longest of the cold properties of the cold properties of the cold 
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ESULT 429

DE 751556 etnodard, DNA; 3149 BD.

DE Remark, 1997 (first nnty)

DE Remark 1997 (first nnty)

No 1993199-A2 Competition with Cuts sequence in 1992-1997
No 1995-1997

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A genetically isolated group of families with autosomal dominant early-onset Alabeirer's Disease (ND) (the Volge German Kindreds) has come resides and initial mapping malyees have predicted the AD4 locus resides on chromosome 1.7 2.5 Kingment of DNA from the AD4 locus resides on chromosome 1.7 2.5 Kingment of DNA from the AD4 gene was amplified from NC 92442 DNA and was redicibabled by the AD4 gene was amplified from NC 92442 DNA and was redicibabled by comercially expended clone hypidalasty. The clone carried the entire AD4 gene and was sheared and absoluted into Minghla vector for sequence and was sheared and absoluted into Minghla vector introm sequences of the DNA gene, were determined. The present sequence includes seaso 3 and 4. Mutations in the AD4 gene, identified in Volga carried or example using anticlose specific for the protein of mutant or example using anticlose specific for the protein or using charlest and anticles approximately and associated as the protein or using defined to the mutant gene, provides a means of dequence 3.48 BP: 744 AR. 799 C; 860 G; 942 F;
               8888888888888888888888888
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Mospogo C. A. //NOTCE Colored in tim 01 Variant '
36-587-1956 (1980)
20-MAR-1955 (1980)

US-08-887-977-9.Eng

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Omesy Match 13%; Score 14; DB 33; Length 3349; Best Local Similarity 1000; Pred, No. 3.47-e-02; Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps

Page 423

US-08-887-977-9. zng

Pressib: Widos.

Winclast translocation protein which binds to protein involved in circadian rhythms. used to develop prods. for disposits, prevention of disorders associated with circadian rhythms, e.g. treatment of disorders associated with circadian rhythms, e.g. treatment of disorders associated with circadian rhythms, e.g. treatment of the propersor.

William is adjusted to the invention of the invention by the a nuclear translocation contained to the invention by the invention where it is a nuclear translocation to protein the invention where it is a nuclear translocation to protein the contained to the circadian factors of the invention where it is the process of the circadian rhythm entrainment to environmental cycles of light Tip has circadian rhythm entrainment to environmental cycles of light Tip has containing the PAS demain, and is a protein involved in circadian factors containing the PAS demain, and is a protein involved in circadian rhythm. The ATPs of the invention, their fragments of that a circadian rhythm such as protein is also phosphorylated with a circadian rhythm and antisoniate are useful for preventing and/or receiving disorders of a circadian rhythm and antisoniate are useful for preventing and/or measuring conditions as as to classify groups of individuals with the disorders.

Sequence 3169 BP; 902 A; 886 C; 864 G; 716 T;

88888888888888888**22**228

Query Match
1.1%, Score 14; DB 29; Length 3169;
Bert Local Similarity 100:0%, Pred. No. 3.478-07;
Bert Local 14; Conservative 0; Mismatches 0; Indels 0; Gaps

RESULT 411

DE AF 07516 standard; CDRN: 1376 BP.

M. 07516 standard; CDRN: 1376 BP.

DE AF 9 CDRN: 1976

M. Arter 1 Taphoblastic leukemis, scure nonlymphoblastic laukemis; CDRN: 10-MCD and LTRASICOSTIC 10 AB ALTER 1 ALTER

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US-08-887-977-9. IN

US-08-887-977-9. EBG

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of light 18; Columns 13-70; 21pp; English.

If the present sequence encodes the human integrin beta subunit

For protein, beta-5, which is found in carcinomes but not in lymphoid

Collis, hn immunomessay for the detection of beta-5, comprises

Contacting a sample with a monoclonal antibody (Ab) which binds 1

Co epicope of beta-5, and then with a Labelled Ab Which binds another

Co epicope of beta-5, and then with a Labelled Ab Which binds another

Co epicope of beta-5 and detecting any bound label. An assay for

Co epicope of beta-6 and detecting any bound label. An assay for

Co beta-5 mRM, comprises contexting a sample with a probe capable of

Co curred. These sasys are useful for detecting carcinomas, and for

Collatingiants between different cell types

Sq. capable of

Collatingiants between different cell types

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PR 1012E01-1931 (19574)

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                                        Immunoassay and mRNA hybridisation assay for beta-5 protein - useful for the detection of carcinoma(s) and to distinguish different cell
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Opery Match 13% Score 14; DB 22; Length 3415; Best Local Similarity 100% Pred, No. 3.478-02; Indels 0; Gaps Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps
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Tybes12 wandard, DNA, 3507 BP.

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                        Page 427
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PR (CORANI) CORPORED CONTROL OF CORANIC CO
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Best Local Similarity 1000, Pred, No. 8.378-601;
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps
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Query Match
Best Local Similarity 10.0% Pred No. 3.478-07;
Matches 14; Conservative 0; Mismatches 0, Gaps
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RESULT 435
TD 057072 standard: DNA: 3425 BP.
AC 057072 standard: DNA: 3425 BP.
DT 26-7071;1994 (first entry)
DE AGE-modified DNA INS-8.
KW Advanced slycosylation end products: AGE plasmids; transposon; ss.

982 GTGAGAAGGAAGTA 995

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US-08-887-977-9. ING

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Tue How 17 08:55:26 1998
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PR 24-ADC-1993, JP-209705.

PA (MITO) MITODIBER ADSI CORP.

M PFEDD: R73200718.

PROBLEM R7320718.

PROBLEM R7320718.
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1.34, Score 14; DB 15; Length 3508;
Barboal Similarity 100:04, Pred. No. 3-47-07;
Marches 14; Conservative 0; Hismatches 0; Gaps
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/*tag* b
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in the specification*
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D 73329; standard; GDNA, 3511 BP.

MG 73329; diffrat entry)

DE WELL-MAIDE DNA sequence

NEW THATAPLA DNA SER ADDA TETINOS CAST RECEPTOR;

NEW THATAPLA DNA SER ADDA TETINOS CAST RECEPTOR TETINOS CAST RECEPTOR TO SER ADDA TETINOS CAST RECEPTOR THATAPLA DATA TETINOS CAST RECEPTOR TETINOS CAST REC
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Tue Nov 17 08:55:26 1998

Page 432

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W09618733-A2.

PD 20-708-1394.

PD 20-708-1395.

PD 20-70
/note= "cleavage site 2"
```

Owery Match 1.3%; Score 15; DB 22; Length 3511; Best Local Similarity 80.0%; Fred. No. 9.37e-07; Methods No. 100-04; Methods 12; Conservative 3; Mismatches 0; Indels 0

Db 1824 acaaguccucaggcu 1838 ||||||||||||||||||||||||||Qy 995 Acaagtcctcaggct 1009

```
No. Altheam.

No. Marken.

No. 
RESULT 440

TROIGS standard; CDNA; 3526 BP.

DE 780105 standard; CDNA; 3526 BP.

DE 780105 standard; CDNA; 3526 BP.

DE 780105 1937 (first entry)

DE 780105
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Page 431

US-08-887-977-9. rng

Tue Nov 17 08:55:26 1998

Tumour supressor pRDJ/pllo gene intron and promoter sequences - edicor the Authonesis and prognesis of cancer and predicting procession to the progression of cancer and prognesis of cancer and predicting cancer (and Mile ages 121-1211 5/8 pp. Implish.

CC chian All ages 121-1211 5/8 pp. Implish throw of the human plants of the number of the progression. The sequence that plays a key role in cell labrary using presents of the published colors. In the sylvanian procession of the published colors as ample from a patient can be determined and used to: (11 determine a supple from a patient can be determined and used to: (11) determine a supple from the patient can be determined and used to: (11) determine a supple from the patient cancer (11) determine and cancer of the present of the proposed or th 888888888888888888888888888888

Query Match 13%; Score 14; DB 18; Length 1507; Best Local Similarity 100:0%; Pred No. 3.474-07; Undels 0; Gaps Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps

a

g,

RESULT 437

10 88653; atandard: DNA; 3508 BP.

AC 086653; D. 2955 (first entry)

T 28-NOV-1955 (first entry)

DE dadida tropicalis pK333 isocitrate lyase; ICL; promoter;

KN Candida tropicalis pK333 isocitrate lyase; ICL; promoter;

KN Candida tropicalis pK333 isocitrate lyase; ICL; promoter;

KN Candida tropicalis pK331 isocitrate lyase;

A Candida tropicalis pK331 iso 

JO7059576-A. 07-MAR-1995. 24-AUG-1993; 209705.

Tue Nov 17 08:55:26 1998

US-08-887-977-9. rng

oligo:nucleotide(s) - for the inactivation of RNA associated with, and promyshory; taukamia or folicular lymphoma.

CC retaristocicular lymphoma.

CC resulting in a fusion of the retinoid, ord, promyshory; gen (BNR-alpha) or and a gene for a putative transcription factor. PML. Methods for and a gene for a putative transcription factor. PML. Methods for and a gene for a putative transcription factor. PML. Methods for and a gene for a putative transcription factor. PML. Methods for and a specifically cleave the PML-RNR-alpha may gene or for perifically cleave the PML-RNR-alpha may promy portions of the PML-RNR-alpha may RNR-alpha may gene also 13348-55) that companies of Abramanda carrying portions of the PML-RNR-alpha may gene (see also 13348) allows synthesis or abstraction sor Abramanda versions of Abramanda carrying portions of the companies of Abramanda (see also 13348) and 33418 pp. 715 A) 1168 C; 1038 G) 599 T;

Query Match 13%, Score 15; DB 22; Length 3511; Best Local Similarity 100;0%, Pred. No. 8;75e-0; Indels 0; Gaps Matches 15; Conservative 0; Mismatches 0 Indels 0; Gaps

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HESULT 439

HESULT 439

HESULT 439

HESULT 4398 (first enry)

DE PAL-SALPA MA sequence

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PESULZ 444

D V1045; stendard; DNA, 3623 BP.

E Munani chal concepter try

E Munani chal concepter proce-concepter; c-abl; ds.

E Munani chal concepter proce-concepter; c-abl; ds.

E Munani challed by the concepter processor of the concepter of
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BA WET, 91-184197/22.

PA WET, 91-184197/22.

PA CILCHARACE RESPONDER THE MAINTENANCE OF CILCHARACE PARTY.

PA CILCHARACE RESPONDER - used to acreen for functional ligands and tidentify and isolate further receptors of the factories. Fig. 11 109pp. Findlish.

PA CILCHAR CONN was isolated from adult rat forebrain CDNN using a collish conn. Wetcher acceptors and protocol and a radiolabelled fragment of the CC Treeprox Mynchich and Protocol and a radiolabelled fragment of the CC Treeprox Wetcher a substance is a functional ligand for the CC receptor by monitoring ion channel activity.

See also 01189-958.
                                                                                                                                                                        sequences of the invention. These genes, their products and antibodies specific for the proteins are useful for the diagnosis of Alsheimer's Sequence 3526 BP; 941 A; 935 C; 986 G; 964 T;
                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match 13% Score 14: DB 14; Length 3526; Best Local Similarity 100:0% Pred No. 3.474-0; Indels 0; Gape Matches 14; Conservative 0; Mismatches 0; Indels 0; Gape
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Ouery Match Berlin 1.34; Score 14; DB 2; Length 3540; Best Local Similarity 100; Ob; Pred. No. 3476+02; Matches 14; Conservative 0; Manatches 0; Indels 0;
US-08-867-977-9.zmg
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10 01184; standard; DNA; 3340 BP.

20 1184; standard; DNA; 3340 BP.

20 1184; standard; DNA; 3340 BP.

20 1184; standard; st
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LAMY-1991 D06153.
25-007-1990; D06153.
(SALK ) SALK KNST FOR BTOL STUD.
(SALK ) SALK KNST FOR BTOL STUD.
WPI: 91-64197/22.
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1.3%: Score 15; DB 2; Length 3521;
Best Local Smilarity 100.0%; Pred. No. 8.374-01;
Matches 15; Conservative 0; Mismatches 0; Indels
Matches 15; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            813 gaaactgtcacag 826
Tue Nov 17 08:55:26 1998
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Dr. 14-MK-1997 (first entry)

86020 craft coding sequence.

RW 70x111 ant; Bellius thuringtensis; hymenopteran pest; pharach ant;

10x1211 ant; Bellius thuringtensis; hymenopteran pest; pharach ant;

10x1211 ant; Bellius thuringtensis; delta-endotoxin; lepidoptera;

RW 10x121 ant; Bellius thuringtensis isolate P88603.

10x121 ant; 10x121 ant;

10x121 ant;

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10x121 a US-08-887-977-9.Eng SQ Sequence 3623 BP; 843 A; 1090 C; 1086 G; 604 T; Query Match 1.3%; Score 14; DB Best Local Similarity 100.0%; Pred. No. 3.4 Matches 14; Conservative 0; Mismatch MESOTZ 445

TEGORGS standard, DNA, 3660 BP. TEGORGS at Db 2520 ggaagctgctgatg 2533 ||||||||||||||||||||||||||||||Qy 602 GGAAGCTGCTGATG 615

1.3%; Score 14; DB 29; Length 3660; **Query Match** 

864 GAAAACTGTCACAG 877

Tue Hov 17 08:55:26 1998

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US-08-887-977-9. rng

standard; cDNA to mRNA; 3542 BP

20-907-1995 (first entry)
Bruh.1 CDM, probe.
Bruh.1, tumor suppressor gene: breast cancer; mamma carcinoma;
dlagnosia; gene therapy; ss.
1900 saptess.
90931334-A.

WOUNDESTANDANT OF THE STATE OF

Socre 14: DB 15; Score 14: DB 15; Length 3542; Best Local Similarity 100:09; Pred. Ro. 3.47e402; Makethes 14: Conservative 0; Mismarches 0; Indels 0;

RESULT 448

AC MR047-9 standard; DNN, 3621 BP.
A2 +007-100 [Air tentry]
DE MRMON DE PRODUCTIN GRO.
CONTRAINED BROOM BROOKER
OS BROOM SADJENS
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Tue Nov 17 08:55:26 1998

Page 435

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US-08-887-977-9.rng
Tue Nov 17 08:55:26 1998
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Best Local Similarity 100.0%; Pred. No. 3.47e+02; Matches 14; Conservative 0; Mismatches 0; Indels 0;
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DESCUIT 446

1 760051 atnodard; DNA; 3660 BP.

1 160051 atnodard; DNA; 3660 BP.

1 160051 atnodard; DNA; 3660 BP.

1 160051 and 18 Decign control.

1 160051 and 18 D

ö 0; Indels 0; Gaps Onery Match 1.34; Score 14; DB 29; Length 3660; Best Local Similarity 100.08; Pred. Ro. 3.474-07. Manaches 14; Conservative 0; Manaches 0; Indels 0

Tue Nov 17 08:55:26 1998

misc_difference 297

RESULT 449 ID 166802 standard; DNA; 3738 BP. AC 166802;

US-08-887-977-9. rng

```
REST protein, RE1-silencing transcription factor; neuron;
neural cell: differentiation; neurodegenerative disease;
gene therapy; brain cancer; ds.
Homo sapiens . Location/Qualifiers
cs. 1.823
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     misc_difference 2973 b

/*fag* b

//fag* b

//fag* b

//fag* b

//fag* b

//fag* c

//
```

Ouery Match
1.3%, Score 14; DB 24; Length 3705;
Best Local Similarity 100:0%, Pred. No. 3.478-07;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps

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Page 439

Tue Nov 17 08:55:26 1998

US-08-887-977-9. Eng

```
16-UUL-1997 (first entry)
Beachlie, ruthringienisis isolate P88631 delta-endotoxin DNB,
P88631, delta; endotoxin; control; Monomorium pharacolis; a
P88631, delta; endotoxin; control; Monomorium pharacolis; a
P88631, delta; engentrer; Camponotus; argentine; domestic;
garicultural; pest; de.
Becillus thuringiensis.
                                                                                                                                                                                                                                                          /*tag= a /product* delta_endotoxin
                                                                                                                                                                                Location/Qualifiers
1..3738
```

PR USSEIGNSTA.

PRODUCTE AND CONTROLL MAINTENANCE AND CONTROL MAINTENANCE AND MAINTENANCE AN

Query Match 1.3%; Score 14; DB 30; Length 3738; Best Local Similarity 100.0%; Pred. No. 3.478-07; Matches 14; Conservative 0; Mimmatches 0; Indels 0; Gaps

Page 438

US-08-887-977-9.zzg

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ö.

RESULT 447

AC 020200 standard; CDRA, 3703 BP.

AC 020200;

DF 08-AF-1992 (first entry)

DF Gene encoding C-terminal amidation ensyme.

NW Morse.

NW Morse

10 202000 standard; CDRA; 3703 BP.
10 202000
10 2020000
10 CONTROL (Lizat entry)
11 Concended (Lizat entry)
12 Concended (Lizat entry)
13 Concended (Lizat entry)
14 Concended (Lizat entry)
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16 Concended (Lizat entry)
17 Concended (Lizat entry)
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18 Concended (Lizat e

Opery Match 1.3%; Score 15; DB 3; Length 3703; Best Local Similarity 100; 09; Perec No. 8, 778+01; Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 

ö

ENSUAT. 47(11)3 etendard; cDNA to mRNA; 3705 BP.
A 74(11)3 etendard; cDNA to mRNA; 27(11)3 etendard; cDNA 11-3NA-1997 (first estry)
DE Human REST protein partial cDNA clone (nt1472-5324).

US-08-887-977-9.zng

US-08-887-977-9.rng

Tue Nov 17 08:55:26 1998

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Page 443
                                                                                                                                                                                                                                                      M. T60043.

THAY-197) (first entry)

TO 14-MY-197) (first entry)

TO 14-MY-197) (first entry)

TO 14-MY-197

TO 14
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D SCARM 1986; 10.5209.3.

PR SCARM 1986; 10.5209.3.

MINISTER SRM MOLICE INST INC.

DR WIT; 9.-1796/16.

PR COCCURT OF THE MOLICE INST INC.

PR COCCURT OF THE MOLICE INST INC.

PR SCARM 1896; 10.759; 114pp; English,

CC The c-abl gene (761864 and 761865) encodes a non-receptor tyrosine

"nase that is activated DNN damaging agent. Antisense constructs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ö
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13%; Score 14, DB 29, Length 3738;
Best Local Similarity 100.0%; Pred No. 3.476-02;
Matches 14; Conservative 0: Mismatchies 0: Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         RESULT 453

TO 75186; standard; DNA; 3780 BP.

M. 75186; standard; DNA; 3780 BP.

M. 75186; standard; DNA; 5780 BP.

C -Abij gene; artisense RNA; cancer; therapy; DNA damage;

KN rediotherapy; mitomycin C; cytostatic; tyrosine kinase; se.

SN mos applied Ai.

PD 06-MAR-1997; US 252092.

PR 30-AGC-1995; US 30-AGC-1995; US 30-AGC-1995.

PR 30-AGC-1995; US 30-AGC-1995; US 30-AGC-1995; US 30-AGC-1995.

PR 30-AGC-1995; US 30-AGC-1995; US
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Best Local Smilarity 100.0%; Pred No. 376-05.
Warches 14. Conservative 0; Himmarches 0; Indels 0;
                                                                                                                                LT 450
T60045 standard; DNA; 3738 BP.
T60045;
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/*tag= b
mat_peptide 212..3520
/*tag= c
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PP 22-MAY-1992 UO4116.
PR 22-MAY-1992 UO4116.
PR 22-MAY-1992 UO4116.
PR 22-MAY-1992 UO470645.
PR 22-MAY-1992 UO470645.
PR 12-MAY-1991 UO5-797645.
PR 12-MAY-1991 UO5-797645.
PA (MYCO) MYCOSM COMP.
PR 12-MAY-1992 EP-19042.
PR 12-MAY-1992 EP-19042.
PR 12-MAY-1992 EP-1904.
PR 12-MAY-1992 EP-1904.
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/*tag= a
/note= "protein 8603(a)"
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152..3523
/*tag= a
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directed to the c-abl gene can be used to selectively inhibit the expression c-Abl following expones of cells to a DRA damaging age species such as ionising radiation can attornorin c. When used in combination with DNA damaging species, the articlene RNA provides a spression cell and an articlene RNA provides a spression cell and articlene RNA provides a capture to cell Alling effect useful for Killing palignate cile and account themselves and articlene and articlene RNA provides a sequence 3700 Mpc. 853 A; 1136 C; 1166 G; 625 T;

Query Match
13%; Score 14; DB 29; Length 3780;
Best Local Similarity 100.0%; Pred Ros. 3.47-40;
Matches 14; Conservative 0; Mismatches 0; Indels 0; daps

While yourseave, which is the manufacture attem/progenitor cell antigen. Antibody specific for haematopoietic stem/progenitor cell antigen. Antibody specific for banks and programiturion of the claim of the order of the specific maps programiturion of the claim of the claim approximate of the claim of the control of the claim of

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78897.3595
74498-76C_rich_region
7000e-feature unlabelled in specification*
3655.3661
7009-7689-96
   gc_signal
                                                 misc_rna
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Ouery Match 1.3%; Score 15; UB 39; Length 3804; Best Local Smilarity 10:0%, Pred 18:0 8:75+0; Matches 15; Conservative 0; Minmatches 0; Indels 0; Gaps

ç, g

Committee properties could be derived from human hoste marrow.

Contain bone marrow and liver, cord blood and defirst perights period. The ambeet of cerla recoperated by AG131 is of 1344 for the blood. The ambeet of cerla recoperated by AG131 is of 1344 for the cerla concepts colored contains substantially all of the granulcorperomocyte colored contains an example. The substantial contains heart to the substantial makes it useful as a respect for isolating and characterisating human heart topoletic properitor and etem cells, which can be used e.g. as gene therapy vehicles or for bone marrow reconstitution. Exploiting AG131 as a marker ensures a high purity popular contains the right of the properties and properties are presented to identify related door requirement of the properties and properties of the proper

71 30300434.

12 30300434.

12 10.308-199: 13.1349.

13 10.308-199: 21.3149.

14 10.308-199: 21.3149.

15 10.308-199: 21.3149.

16 10.308-199: 21.3149.

17 Promoter of gene of human precursor of Albheinar's disease - opposed of A. saylold profein used for transfer of cells, opposed of A. saylold profein used for transfer of cells, opposed of A. saylold profein used for transfer of cells.

17 Process of A. saylold profein used for transfer of cells, opposed to the cells of the cell state transfered with the vector is used to cells. The cell state transfered with the vector is used to cells are dispusse the disease. The promoter can sequence 1804 BP; 930 A; 937 C; 972 G; 907 T;

Query Match
1.3%; Score 14; DB 2; Length 3804;
Bet Local Stailarity 100.09; Pred No. 3.47+0.7;
Matches 14; Conservative 0; Mismatches 0, Gaps

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/*tag" a 2438..2578 /*tag" b //*tag" deleted from Q20198 and Q20200*

/-tag= c /note=" inserted in Q20199 and Q20200"

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viruses and transferred to other host microbes, preferably E. coll (MSLE) fash MSLE, 1865.2, to control darkide peets, or to C. platts which become resistant to the acaricide peets. C. Specifically, the two-spotted spider mite (Tetranychus urticae) is CC controlled. (MSLE) 1199 A; 635 C; 751 G; 1189 T;

ö Query Match Query Match Bast Local Similarity 100:09, Pred, 80: 3478+02; Matchs 14; Conservative 0; Mismatches 0; Indels 0; Gaps

Processory of the processor of the proce D 032560 standard; DRA: 3867 SP.

R memoral lbs: nematicide; nematicidal toxio; sgriculture; plants;

R memoral lbs: nematicide; nematicidal toxio; sgriculture; plants;

D 027567-193.

P 037567-193.

P 03

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14-187-1990; DP-063306.

18 (SIESEDO KR.

18 (SIESDO KR.

18 (SIESD

Sore 15; Day Parch 139; Score 15; DB 3; Length 3844; Best Local Smilarity 10:0%, Pred 10: 8:78+0; Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps

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Controlling acaride pests e.g. two spotted spider mite - utilising Bacillus thrintheses delta-toxins cloned into microbe hosts. Discioure: Column 33-36; Alpp: English. Baciloure: Column 33-36; Alpp: English and the baculo

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PD 13-UNF-1951.

PD 13-
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A 094054

D 094054 candard; DNN, 3867 BP.

D 28-FED-1966 (first entry)

D 28-FED-1966 (first entry)

E 50-FED-1966 (first entry)

E 50-FED-1966 (first entry)

E 50-FED-1966 (first entry)

E 50-FED-1966 (first entry)

E 50-FED-1991; GOAL AND A from strain P937.

E 50-FED-1991; GOAL A GOAL A
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these were closed into pBClac, an R. coll/DT shuttle vector made up to carreplication origins from pBClac and pBCls. This was used to carreplication origins from pBCls and pBCls. This was used to carreplication. INVEST, and this grown on IPPG and XGAL media. White Cholnias were selected, purilified, and either pBMCl87 control to the XTA PSTIA coxil fragment or pWRCl878 control the STA PSTIA coxil fragment or pWRCl878 control the STA PSTIA coxil fragment or pWRCl878 control the XTA PSTIA coxil fragment or pWRCl878 control 
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. No. 3,47e+02;
Mismatches 0; Indels
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Best Local Similarity 100.0%;
Matches 14; Conservative
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g G ò

These were closed into pottler, as E col./07 shuttle vector made up of replication origins from pottle and pottle. This was used to transform at col. 18927, and this grown on 1774 and 30AL media. White colonities were selected, untillide, and either pottle. 1970 the 2. No Pottle event acquence, the 2. No Pottle fragment or particle oning the 4.5kb postly toxin fragment or particle oning the 4.5kb postly bequence 1867 bp. 1234 A; 635 C; 748 C; 1189 T; ö Query Match 1.3%, Score 14, DB 5, Length 3867, Metches Smilarity 100.0%, Pred No. 3.474-02; Indels Matches 14, Conservative 0; Mismatches 0; Indels 

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> Gaps Query Match 1.34, Score 14, DB 16, Length 3867; Best Local Similarity 100.04, Pred. Ro. 3.476+02, Matches 14; Conservative 0; Mimmetches 0; Indels 0; 1189 T; 751 G; 635 C; CC Tetranychus urticae. SQ Sequence 3867 BP; 1292 A;

Decision and and and an intermediate properties of the part of the

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Page 456
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PR D1220003.

PR D1220003.

PR D1220003.

PR D12-WY-1932 004116.

PR D12-WY-1932 00416.

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terminal plytime to alpha hydroxy glycine then remove this leaving
peptide C-term maide.
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TD G0004 standard, DNA; 3867 BP.
AC G0004;
DT 01-NR-1393 (first entry)
DT 70-XR-1393 (first entry)
NR Endotoxin; acarides; pest; Two Spotted Spider; mite;
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14-MAY 1937 (first entry)
DE 170-MAY 1937 (first centry)
DE 170-MAY 1937 (first centry)
DE 160-MAY 1937 (first centry)
DE 160-MAY 1931 (G-70)
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DE 3-MAY 1931 (G-
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Disclosure: Page 30-32; 63pp; English.
Disclosure: Page 30-32; 63pp; English.
See Requences encoding a toxin which is active against acarides and see sequences encoding a toxin which is active sgainst plant, pally, 312, 925x1, pesson, and 95cool active against active 
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10. May 10. 
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                     US-08-887-977-9. ING
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Pred. No. 3.47e+02;
0; Mismatches 0; Indels (
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1.3%; Score 14; DB 5; Length 3867;
Best Local Smilarity 100.0%; Pred. No. 3.347+02;
Matches 14; Conservative 0; Mismatches 0; Indels
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11:232
11:232
2433:2654
2433:2654
/hote=" deleted in Q20199 and Q20200"
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DO0039 exandard, CDN3; 3904 BP.

CO 201997.1992 (diret entry)
DF Gene encoding (-terminal amidation ensyme.)
DF Gene encoding (-terminal amidation ensyme.
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DE 760070 standard: DNA: 3867 BP. AC 760070 standard: DNA: 386
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Best Local Similarity 100.0%;
Matches 14; Conservative
                                                                                                                                                                                                                                                                                                                                                                                             Tue Nov 17 08:55:26 1998
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100.25495. AlabelProlactin gene.
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### W09
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match Sinilarity 10.00; Prece 15; DB 2; Length 1925; Best Local Sinilarity 100:09; Precet Ro. 8, 176+01; Matches 15; Conservative 0; Minmatches 0; Indels 0; Gaps
                                                                                                                                                           PS Disclouve: Fig. 13. 11499; Japanese.

The gene encoding the equine Citranian anidating enzyme has been conducting the equine Citranian anidating races actived from sequences encoding the rat enzyme. The Citranian anidating enzyme can be used to amidate physiologically active peptides such as calcitonia and gastrin. Cit takes anidates Dryr-Trpolly, Phe-Giy-Phe-Giy and Gly-Phe-Giy. See also Giose-labor 1146 A: 789 C; 899 G; 1091 T; 50 sequence 3922 Bp; 1146 A: 789 C; 899 G; 1091 T;
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Best Local Similarity 100.0%; Pred. No. 8.37e+01;
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0; Mismatches 0; Indels

15; Conservative 

Matches

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Page 457

US-08-887-977-9. Ing

RESULT 469

731022 standard; DNN, 4000 BP.

731022 standard; DNN, 4000 BP.

731022 standard; DNN, 4000 BP.

731022 standard; SNN, 4000 BP.

73102 standard; SNN, 4000 BP.

74102 Saccharomyces cereviside.

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Ouery Match 1.3%; Score 15; DB 18; Length 4000; Osef Local Similarity 100:0%; Pred. No. 9.79e-0; Indels 0; Gaps Matches 15; Conservative 0; Minmatches 0

RESULT. 470

DD (05430) standard; cDNA; 4010 BP.
AC 064503; (first entry)
DE Human NF-Allo, x subfamily gene.
DE NEWAN NF-Allo, x subfamily gene.
NF NF-Allo; unclear factor of activated T cells 120 protein;
NF NF-Allo; unclear factor of activated y cells 120 protein;
NF NF-Allo; unclear factor of activated y cells if "lymphocyte; se.

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Ouery Match
1.3%; Score 14; DB 13; Length 4010;
Best Local Similarity 100.04; Pred No. 3.474-07;
Matches 14; Conservative 0; Mismatches 0; Gaps
                     Docation,Qualiffers
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transcription; differentiation; cytokine; T-cell; T-lymphocyte;
Row sapiens. Location/Qualifiers
Gds 35d.:kirl
                                                                                                WO9502053-A
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Page 460

US-08-887-977-9. Eng

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Page 459

Owery Match 1.34; Score 14; DB 13; Length 4010; Bert Local Similarity 1000; Pred. No. 3.47e+02; Lindels 0; Gaps Macches 14; Conservative 0; Mismatches 0; Indels 0; Gaps

RESULT 473
1D 604303 standard; CDNN; 4010 BP.
1D 604303;
DT 13-VNC-1995 (first entry)
DF HANG-NF-ATI20, X subfamily gene.
NW NF-ATI20, nuclear factor of activated T cells 120 protein;

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Page 464
     Page 462
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AC 085056; standard; DNA; 4044 BP.

AC 185056; 1955 (first entry)

DE RAADOC 1955 (first entry)

NO PROPE PROPERTY ACCOUNTY CONTROL 1955 (first entry)

DE RAMOCO 1955 (first 
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match 1.34, Score 14, DB 12; Length 4027, DB 12 Length 4027, DB 12 Local Similarity 10009, Partle 180, 349+002; Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps
                                                                                                                Tissue-binding hybrid protein.
Tissue binding: tissue sealing; wound healing; vulnerary;
Tissue-binding; decasis; ffb; crosslinking domain;
Eibrinogen-alpha, heparin-binding domain;
Call-binding domain; phyrid protein; ss.
Room sepiens.
Location/Qualifiers
Key
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DY TO 114 stendard, DNN: 4044 BP.

TO TO 114 stendard, DNN: 4044 BP.

TO TO 114 stendard, DNN: 4045 BP.

TO TO 114 stendard, DNN: 4045 BP.

TO TO 114 stendard, SNN: 4045 BP.

TO SIMONOLIA: 4045 Typhianxim.

TO SALMONIA STENDARD (SNN: 4141 stendard)

TO SALMONIA STENDARD (SNN: 4141 stendard)
US-08-887-977-9. ING
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                                                                                                                                                                                                                                                                                                                                                                          Location/Qualifiers
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PAT SPECH RUBBOOL KLOREE and DRA encoding it - useful to induce printferentiation of hamatopoletic cells to treat or control induced the control induced by the control of the control
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1.3): Score 14: DB 31; Length 4044;
Bast Local Similarity 100.04; Pred. No. 3.474-02;
Matches At Conservative 0: Mismatches 0; Indels 0; Gaps
US-08-887-977-9.Ing
                                                                                                                      Mouse: Janue Kinase: JM3; protein-tyrosine-kinase; optokine; signal transmission: 1200-131; reverse transcription: PGR; polymerase chân reaction; primer; interleakin-3; granulocyte chân reaction; primer; interleakin-3; granulocyte conorophage conorop stranslating factor; and probe; granulocyte conorophage conorop stranslating factor; and probe; heamacopo jetic cell; differentiation; leukaemia; therapy; ss. Key musculus; Location/Qualifiers
Key ...3906 7...3906
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     /*tag= a /product= JAK3 protein-tyrosine-kinase /note= "EC-2.7.1.112"
```

RESULT 473
10 Q70007 standard; DNA; 4027 BP.
AC Q70007;
DT 23-FZB-1995 (first entry)

Tue Nov 17 08:55:26 1998

cds rbs

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MO9601838-A1. 25-77A1-395. 28-77A1-395. 08-77L-1395. 1068354. 08-77L-1395. 105-27336. (UTEA) UNIV TEMPLE. RADE 5G. READY PE. WFI: 96-097584/10.

Tue Nov 17 08:55:26 1998

11.354 a 11.354 b 11.

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rbs

stem_loop cds

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US-08-887-977-9. rng
Tue Nov 17 08:55:26 1998
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PH WOOSCOAGE.

19-7M-1995

19-
/notem "env? gene promoter (claim 174)"
250, 2345
256, 2345
2554, 3394
/rotem "env? gene (claim 173)"
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Onery March 1.3%; Score 14; DB 13; Length 4044; Best Local Similarity 100:0%; Pred 180 3.478402; Indels 0; Gaps Metches 14; Conservative 0; Mismatches 0; Indels 0; Gaps

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RESULT 475

D20137 standard; ODNs. 4045 BP.

AC 020137:
D2 Gene encoding C-terminal anidation engme.

SM Morse.

Square caballus.

Location/Qualifiers

FH Key

T nisc_feature 2488.2378

FT nisc_feature 2634.2388

FT nisc_feature 2634.2388

RESULT 478

D GOSSES standard: DNN, 4093 BP.

D COSSES STANDARD (III TO THE TO

Tue Nov 17 08:55:26 1998

Query Match 1.3%; Score 15, DB 40; Length 4066; Best Local Similarity 10:0%, Pred. No. 8.17e+0; Indels 0, Gaps McCries 15; Conservative 0; Mismatchies 0; Indels 0; Gaps

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Length 4066;

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Page 467

Query Match 1.3%; Score 14; DB 9; Length 4093; Best Local Similarity 100.0%; Pred Ro. 1774-02. Matches 14; Conservative 0; Mismatches 0; Indels 0;

/*tag= c /note=" deleted in Q20199 and Q20200"

US-08-887-977-9. rng

Tue Nov 17 08:55:26 1998

Page 465

Page 466

70336348... //Doce—Geleted in Q20199 and Q20200.
70306348... //Doce—Geleted in Q20199 and Q20200.
704063190... //Doce—Geleted in Q20199 and Q20200.
704063190... //Doce—Geleted in Gallace for the September of Colling for peptide C terminal amidation ensyme PT obtd. iron horse.
70406... //Doce—Geleted in Geleted in Geleted for the sequence of Colling in Sequence of Geleted in Sequence of Geleted in Sequence of Geleted in Geleted in Geleted in Colling in Sequence of Colling sinilar ones profided which all have the same consistent ones by Geleted in Sequence of Geleted in Colling in Sequence of Geleted in Se

Ouery Match 1.34; Score 15; DB 3; Length 4045; Best Local Similarity 100(04; Pref. Ro. 9.774-01; British Watches 15; Conservative 0; Mismatches 0; Indels 0;

RESULT 477
D V10628 standard, CDNN: 4066 BP.
C 33.-UPN:1988 (first entry)
D MIND:1989 (first entry)
DE Minns Giveour phosphorylase CDN.
R Giveour phosphorylase; human brain; retinal pigment epithelium cells;
RV TRN: 1980en phosphorylase; human brain; retinal pigment epithelium cells;
RV TRN: 1980en phosphorylase; national; constitution antigen precursor;
RV TRN: 1980en phosphorylase produce antibody; cytotoxic T cell; ds.
SS 150en phosphorylase
FY COS 100 phosphorylase

Page 468

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RESULT 479

1D 074062 standard; DRN; 4100 BP.

AC 074062.

To 29-7AN:1996 (fars entry)

The rat beta-actin gene.

NR Beta-actin; primer; mRNA; specificity; pharmaceutical; sa.

S Rattus struss.

RY 107123984.

PR 05-NWY-1993; DP-275852.

RY (HTR) HIRMACT CHM CO LTD.

PR 05-NWY-1993; DP-275852.

RY (HTR) HIRMACT CHM CO LTD.

PR NY - SA DISA7728.

RY NY - CAN detection and the determn. of a specific messenger of the struss.

PR NY - CAN DETECTION OF THE STRUSS O and the state of t

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UB-08-887-977-9. Eng
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Numbers, a sequence listing did not appear in the original printed patent appliation.

Sequence 4134 ED: 1127 A: 999 C: 998 G: 1010 T:

Query Match 1.3%; Score 14; DB 26; Length 4134; Best Local Similarity 100; 04; Pred. No. 3.479+02; Makethes 14; Conservative 0; Mismatches 0; Indels 0;

US-08-887-977-9. Eng

Tue Nov 17 08:55:26 1998

Page 469

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PER DE4445562-C1.
PRODUCT= PIJK-gamma
PD 047PR-1996.
PD 10-72-1999; DE-745656.
PR 10-07-1999; DE-74569.
PR 10-07-1999; DE-74699.
PR 10
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D 79845; standard: DDN; 4114 BP.

MC 19845; standard: DDN; 4114 BP.

MC 19841; SC 1984; SC 1984; SC 1984; ST 198
                                                                                                                                                                                                                                                                               0; Indels 0; Gaps
                                                  765 A; 1111 C; 1126 G;
                                                                                                                                                        Query Match 1.3%; Score 14; DB 16;
Best Local Similarity 100.0%; Pred. No. 3.478+02;
Matches 14; Conservative 0; Mismatches C
                                                                                                                                                                                                                                                                                                                                                                            Db 1798 agetgagtetecet 1811
|||||||||||||||||||||||||||||Qy 1104 AGCTGAGTETECET 1117
CC industry.
SQ Sequence 4100 BP;
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US-08-887-977-9. Ing
Tue Nov 17 08:55:26 1998
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glucose transport and anti-lipolytic activity or for treating Alabelars a disease.

Alabelar a disease.

Numbers a sequence listing did not appear in the original printed sequence 4137 BP; 1127 A; 999 C; 1001 G; 1010 T;
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1.1%; Score 14; DB 26; Length 4137; Beat Local Similarity love, Pract No. 3.47+07; Local Similarity love, Pract No. 3.47+07; Matches 14; Conservative 0; Mismarches 0; Indels 0; Gaps

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RESULT 482
D 03159 standard; DNA; 4155 BP.

AC 032159;
D 03159 standard; DNA; 4155 BP.

B T CARM 1993 (first entry)
R M consider an ematicidal toxin; agriculture; plants;
R Consider as an ematicida; mematicidal toxin; agriculture; plants;
R Consider as an ematicida; mematicidal toxin; agriculture; plants;
R Consider as a consider as a consider as a consider as a consideration and consideration consideration and consideration and consideration and consideration consideration and consideration consideration consideration consideration consideration

Page 471

US-08-887-977-9. IDS

Tue Nov 17 08:55:26 1998

PT DEC445562-C1.

O4-APR-1996.

10-APR-1996.

10-C7-1934: DE14562.

PR (19-C7-1934: DE14562.

PR

NESCUT. 481

NESCUT. 25846 standard, cDNA, 4137 BP.

DE THE STATE STATE

These ware cloned into pBClac, an E. col./77 shuttle vector made up of replication origins from pBCls and pCl2) This was used to transform Er. col. 18927, and this grown on 1776 and XGL meda. This colonias were selected, purillad, and either pRECLS roung. The 1.50 PSIA to XLD Inspare (this sequence) or pMECLS cong. the 4.50 PSIA to XLD Inspare (this sequence) or pMECLS cong. Sequence 4155 PS. 1896 A. 677 G. 81 G. 1281 T. 8888888

Query Match 13%; Score 14; DB 6; Length 4155; Ber Local Similarity 100:04; Pred. No. 3.479-02; Ber Local Similarity 100:04; Pred. 0; Mimmatches 0; Gaps Marches 14; Conservative 0; Mimmatches 0

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RESULT 483

ID 020031 standard; DNM, 4135 BP.

O1-APR.1993 (first entry)

DE TO CACHAINE AND CACHAINE SPICE OF THE CONTRIBUTION OF THE CACHAINE SPICE OF THE CACHAINE SPICE SP

1.3%; Score 14; DB 5; Length 4155;

Query Match

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Best Local Similarity 100.0%; Fred. No. 3.47e+02;
Matches 14; Conservative 0; Mismatches 0; Indels
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RESULT 484

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Ouery Match
13%, Score 14; DB 15; Length 4155;
Best Local Similarity 100:0%, Pred. No. 1.476-02;
Matches 14; Conservative 0; Mismatches 0, Indels 0, Gaps

RESULT 485

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PER WOOSILY33-A.

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Query Match
Best Local Similarity 100.0%;
Matches 14; Conservative

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IRSULT 4004053 standard; DRN, 4155 BP. A CO4053 standard; DRN, 4155 BP. B CO4053 standard; DRN, first entry)
DZ 756-PEB-1996 (first entry)
DZ PS17a acazide-active toxin DRN from strain PS17.

nematode vorms; nematicide; nematicidal toxin; agriculture; plants; crops; pests; Cry proteins. crops; pests; Thrinicians. Rey Rey II. 4155 | 1.4155 | 1.4155 | 1.4155 | 1.4155 | 1.4155 |

Score 14; DB 5; Length 4155; Pred. No. 3.47e+02; 0; Mismatches 0; Indels 0; Gaps

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PR 05944410-A.

PR 10-MPF 1991. 69310.

PR 10-MPF 1991. 69310.

PR 10-MPF 1991. 69310.

PR 10-MPF 1991. 69310.

PR 10-MPF 1993. US-1758.

PR 10-MPF 1994. US-1758.

PR 10-MPF 1995. US-1758.

PR 10-MPF 1995. US-1758.

PR 10-MPF 1995. US-1758.

PR 10-MPF 1995. US-1758.

PR 10-MPF 1996. US-1758.

PR 10-MPF Insecticide; toxin, acaride-active toxin; delta-endotoxin; PSI7a; PSI7; tro spotted spider mite; tetranychus urticae; bacillus thuringlensis strain PSI7.
Bacillus thuringlensis etrain PSI7.
Iccarion/Qualifiers /*tag= a /note= *represented in the specification by &" misc_feature

Query Match 13%; Score 14; DB 16; Length 4155; Beet Local Similarity 100:04; Pred. No. 3-478-02; Local Similarity 100:04; Pred. 0); Mismatches 0; Gaps Marches 14; Conservative 0; Mismatches 0 

RESULT 488 ID Q72179 standard; DMA; 4155 BP. AC Q72179;

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Page 473

T60069 standard; DNA; 4155 BP. 

DE 147.1997 (first entry)

17 coxin coding sequence.

18 coxin coding sequence.

18 coxin coding sequence.

18 coxin coding sequence.

18 biological control; Monomorium pharacols; delta-endotoxin; lepidopters;

18 biological control; Monomorium pharacols; delta-endotoxin; lepidopters;

18 biological control; Monomorium pharacols; delta-endotoxin; lepidopters;

18 biological control; Monomorium control of suts, particulariy pharacol and Monomorium control; Monomo

Ouery Match Spatialty 100.04: Score 14; DB 29; Length 4155; Bert Locat Similarity 100.04; Ped. No. 3.47+0-07. 3.47+0-07. Sconservative 0; Manatches 0; Indels 0; Manatches 14; Conservative 0; Manatches 0; Indels 0; Manatches 0;

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RESULT 486 ID 030935 standard; DNA; 4155 BP. AC 030935; DT 30-NNR-1993 (first entry) DE BT toxin 17a.

Tue Nov 17 08:55:26 1998

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US-08-887-977-9. rng
Tue Nov 17 08:55:26 1998
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US-08-887-977-9. rng

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W WOTE: nematoccide; flukicide; anthelaintic; parasite; ss.

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98 Becillas thuringiansis.

99 Becillas thuringiansis.

97 27-202-2034.

98 11-00-1390; 05-55310.

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90 11-00-139

Omery Match 139; Score 14; DB 3; Length 4155; Bast Local Similarity 100.09; Pred No. 3.476+02; Indels 0; Matches 14; Conservative 0; Minmatches 0; Indels 0;

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Owery Match 13%; Score 14; DB 12; Length 4155; Best Local Similarity 100; Pred. No. 3,476-02; 14; Conservative 0; Mismatches 0; Indele 0; Gaps
                                                                                                                                                                                                    RESULT 469
C20334, standard, DNA; 4155 BP.
AC 020334, standard, DNA; 4155 BP.
DT 26-WAR-1992 (first entry)
DF. B.thurhqfenas toxin gene P917a.
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Tue How 17 08:55:26 1998
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PR 22-NOV-1992.
PR 12-NOV-1992.
PR 12-NOV-1992
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Ouery Match 1135; Score 14; DB 5; Length 4155; Bert Local Similarity 100, Pred. No. 3.478-603; Undels 0; Gaps Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps

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RESULT 491

To 760314 standard; DNM; 4170 BP.

To 760314 standard; DNM; 4170 BP.

To 760314 standard; Clist entry)

To 760314 standard; Clist entry)

To 711 standard; Color Standard; Clist entry)

To 712 standard; Color Standard; Clist entry

To 712 standard; Clist entry

To

Tue Nov 17 08:55:26 1998

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presenting and narcolepsy continued to the splice variant of the claim 13: Fig 11: 119: Edglish: Sequence for the splice variant of the claim 13: Fig 11: 119: Edglish: Sequence for the splice variant of the claim sequence represents the coding sequence for the specific middle set view of the sequence continued activity the investing invited in citied invention to the separation of the sequence o
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Onery Match 1.3%, Score 14, DB 29, Length 4170; Best Local Similarity 100:09, Part. No. 340+02; Matches 14; Conservative 0; Mismatches 0; Gaps

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CA2085391-A.
31-34W-1994.
31-34W-1994.
31-34W-1995.
30-34W-1995.
30-33W-1995.
30-33W-1995. Location/Qualifiers . 124. 3480 /*tag= a /product= tyrosine_kinase

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Page 479

RESULT 101409 standard; DNA; 4155 BP.
AC 013409; standard; DNA; 4155 BP.
DE Bacalliae thurindisensa gene 17a.
DE Bacalliae thurindisensa gene 17a.
Se Bacillue thurindisensa strain PS17.
FIR Every Location Constitution of 1.4155 (Publifiers PT)
PT cds 1.4155 (Publifiers PT)
PT N99220802-A. //note* 'protein 17a'
PN W99220802-A.

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Tue Nov 17 08:55:26 1998
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US-08-887-977-9.rng

DR P-PSDB; R53146.

Receptor tyrasine kinase isolated from cells of the endothelial
receptor tyrasine kinase isolated from cells of ligand-receptor
lineage - used for identifying (ant)agonists of ligand-receptor
lineage - used for identifying (ant)agonists of ligand-receptor
lineage - and 1:5 day old mice was used to synthesise oDNA by RTCC RNA from 9:5 sed 1:5 day old mice was used to preferentially applied
CC Rineage expressed during murine cardiogenesis were identified. Pour
CC Wineage expressed during murine cardiogenesis were identified. Pour
CC Wineage expressed during murine cardiogenesis were identified. Pour
CC Wineage expressed during murine cardiogenesis were identified. Pour
CC Wile was designed the first of the cardiogenesis of the cardiogenesis were identified.
Sequence 4175 SP: 1175 A; 942 C; 1047 G; 1011 T;

Query Match 1.3%; Score 14; DB 11; Length 4175; Best Local Similarity 100:0%; Pred. No. 3.478-07; Indele 0; Gaps Matches 14; Conservative 0; Hismatches 0

RESULT 493

ID 799186 standard; cDNN; 4180 BP.

O 88186; 1938 (dirt entr)

DE CONN, Cor human BAP proceedsing entre durin.

NY PULID, Done morphogenetic protech; BMP; process

NY HHP-2; BMP-4; BMP-6; BMP-7; Done formation; Done

Shome sapiens. Location(Qualifiers

FT CONN, CO

Production of mature bone morphogenetic protein - by treatment of precursor protein virth a processing ensure auch as furin either directly or by expressing them both in the same host Example 1. Pages 4.19. 34pp. Jacobanese.

Example 2. Pag

intron

PF W09738121-A1.

PD 16-027-1997.

PD 16-027-1997.

PD 16-027-1997.

PD 18-027-1997.

PD 18

Query Match

1.34; Score 14; DB 39; Length 4212;

Pare 10 NB 30; 14 NB 30; 14; Conservative 0; Mismatches 0; Caps

Matches 14; Conservative 0; Mismatches 0; Caps

2676 actggtgcgtgggt 2689 295 ACTGGTGCGTGGGT 308 គ្គ Š REGULT 495
IID 077530 atnodard; RRM: 4247 BP.
O753004.
O75303.
O5400-1995 (fitzet entry)
OF Modernovirus aerotype 2 genomic fragment encoding antigen la/lb.
B Human astrovirus aerotype 2; R-Ast 2; gastroenteritis; antigen; ss.
NGM shrovirus aerotype 2; R-Ast 2; gastroenteritis; antigen; ss.
NGM shrovirus aerotype 2; R-Ast 2; gastroenteritis; antigen; ss.
NGM shrovirus aerotype 2; R-Ast 2; gastroenteritis; antigen; ss.
NGM shrovirus aerotype 2; R-Ast 2; Gastroenteritis; antigen; ss.
NGM shrovirus aerotype 2; R-Ast 2; Gastroenteritis; antigen; ss.
12 - NGM shrovirus aerotype 2; R-Ast 2; Gastroenteritis; antigen; ss.
12 - NGM shrovirus aerotype 2; R-Ast 2; Gastroenteritis; ss.
12 - NGM shrovirus aerotype 2; R-Ast 2; Gastroenteritis; ss.
13 - NGM shrovirus aerotype 2; R-Ast 2; Gastroenteritis; ss.
14 - NGM shrovirus aerotype 2; R-Ast 2; Gastroenteritis; ss.
15 - NGM shrovirus aerotype 2; R-Ast 2; Gastroenteritis; ss.
16 - NGM shrovirus aerotype 2; R-Ast 2; Gastroenteritis; ss.
17 - NGM shrovirus aerotype 2; R-Ast 2; Gastroenteritis; ss.
18 - NGM shrovirus aerotype 2; R-Ast 2; Gastroenteritis; ss.
18 - NGM shrovirus aerotype 2; R-Ast 2; Gastroenteritis; ss.
18 - NGM shrovirus aerotype 2; R-Ast 2; Gastroenteritis; ss.
18 - NGM shrovirus aerotype 2; R-Ast 2; Gastroenteritis; ss.
18 - NGM shrovirus aerotype 2; R-Ast 2; Gastroenteritis; ss.
18 - NGM shrovirus aerotype 2; R-Ast 2; Gastroenteritis; ss.
18 - NGM shrovirus aerotype 2; R-Ast 2; R-Ast

New nucleic acid from human satro:virus serotype 2 - and related antigents polypeptide(s) and antibodies, useful in diagnosing infections and prodm. of vaccines

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Tue Nov 17 08:55:26 1998

US-08-887-977-9. ID

Page 484

continues precedes off is a predicted to consist extension exceeded off is a predicted to consist extension extension and extension and extension and extension of the consist of the cons

13; Length 4247; Query Match 1.3%; Score 14; DB 13 Best Local Similarity 71.4%; Pred. No. 3.47e+ Matches 10; Conservative 4; Mismatches

4004 aaaguugauggcau 4017 ||||:||:|||:||360 AAAGTTGATGGCAT 347 a

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US-08-887-977-9.Ing

animal cell with expression vectors containing DNA encoding the lengths and precursor protein, culturing the transformant and lengths the mature BNP from the culture. The method can be used to produce BNP2, BNP-0, BNP-0, BNP-0, BNP-0, BNP-0, MNP-0, NNICh can be used to treat home formation or regeneration abnormalities. Sequence 4180 BP, 796 A; 1337 C; 1253 G; 794 T;

Query Match 1.3%; Score 14, DB 38; Length 4180; Beat Local Similarity 100 ub, Pred 180; 1478-40; Indels (Marches 14, Conservative 0; Mismatches 0; Indels (

| RESULT 494 | RESULT 496 | RES

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PR EP-529622-A.

PR 07-MAR-1999.

PR 07-MAR-1999.

PR 07-MAR-1999.

PR 07-MAR 07-1999.

PR 07-MAR 0
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PD 11-AAY-1994.

PD 11-AAY-1994.

PR 23-CGT-1993; AUCOSS-B.

PR 23-CGT-1993; AUCOSS-B.

PR 24-CGT-1993; AUCOSS-B.

PR 25-CGT-1993; AUCOSS-B.

PR 25-CGT-1994; AUCOSS-B.

PR 25-CGT-1995; AUCOSS-B
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) G63120; standard; CDNs; 4364 BP.
653120; standard; cDNs; 4364 BP.
17-CCT-1594 (first entry)
18-CCT-1594 (first
       US-08-887-977-9.Ing
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Outry Match 1.34; Score 14; DB 10; Length 4364; PBst Local Similarity 100 04; Pred No. 3.476+03; Matches 14; Constrative 0; Mismatches 0; Indels 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           RESULT 497
ID 095540;
AC 095540;
AC 095540;
BT 311-73N-1996 (fitst entry)
DE Cardiac ademylyl cyclase gene
Cardiac ademylyl cyclase; effector entyme; ss.
G mon sapiens.
F Reg Long sapiens.
Code Cardiac ademylyl cyclase; effector entyme; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Location/Qualifiers
148..3702
/*tag= a
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16..3384
/*tag= a
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Description of the control of the co

Query Match
13%, Score 14; DB 15; Length 4359;
Bert Local Similarity 100;0%, Pred. No. 3:474-07;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps

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US-08-887-977-9.xng

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ö

PT sequences
DE Cialm.1, Fig 2; 45pp; Chinese.
CC 05500 encodes R78319, the novel effector engine cardiac adenylyl
CC 07class.
CC 07class.
SQ Sequence 4356 BP; 836 A; 1372 C; 1373 G; 775 T;

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signal_peptide (Notes 'Includes two termination codons' (Alabel PACE (Notes 'Includes two termination codons' (Notes 'Notes 'Includes two termination codons' (Notes '180 (Not
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US-08-887-977-9.ED

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FF USS460950-A. /*tag- f

24-CT-1995.

PD 24-CT-1995.

PD 24-CT-1995.

PD 24-CT-1995.

PD 25-21302.

PESULZ 501

10705565 stundard; DNN; 4405 BP.

202565; Stundard; DNN; Stundard; DNN; Stundard; DNN; Stundard; St
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RESULT 502

D QG253-1991 (first entry)

DC 09-027-1993 (first entry)

DC 09-027-1993 (first entry)

DC 09-027-1993 (first entry)

DC 09-027-1993 (first entry)

DC 19-027-1993 (first entr

Query Match 1.3%; Score 15; DB 7; Length 4415; Best Local Similarity 100.0%; Pred. No. 9.379-01; Matches 15; Conservative 0; Minmatches 0; Indels

RESULT 503 ID 103090 standard; DRA: 4425 BP. AC 103090; DI 14-FEB-1996 (first entry)

a

## Tue Nov 17 08:55:26 1998

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Protein tyrosine-kinase SAL-SI gene.
Orotein tyrosine-kinase; pTK; SAL-SI; agonist; cell growth;
differentiation; ss.
Bomo sapiens. Location/Qualifiers
Key 30..3327
                                 signal_peptide /*tag= a
30.102
30.102
mat_peptide 103.3924
/*tag= c
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DP DP ę,

19949; 19949; 11st entry)
19-29199 (first entry)
Ruman A20 protein oDRA.
Roy and sapproteip protein human; nuclear factor-kappa B; 1970 multipoproteip protein by RF-kappa B; Inhibitory; organ transplant; Insane transplant; Homo sapisna.
Homo sapisna. RESULT 504
T19947 standard; cDNA; 4440 BP.
T 19947 standard; cDNA; 4440 BP.
T 19947 standard; cDNA; MA NO; STANDARD; MA NO; STANDARD; MA NO; STANDARD; MA NO; STANDARD; STANDARD

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PN 99527061-A1 / Fitsge C
PN 90527061-A1 / Fitsge C
PN 90527061-A1 / Fitsge C
PN 90527061-B1 / Fitsge C
PN 90527061-B2 / Fitsge C
PN 905-B1 905-B1 905-B1 905-B1 905-B1 905-B1 / Fitsge C
PN 905-B1 905-B1 905-B1 905-

Query Match 1.3%; Score 14; DB 16; Length 4425; Described London 100:0%; Pred Ro. 3.47-07; Decentative O; Mismatches O; Indels O; Gaps

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Page 492

TAMES 1997 ENORY SET TO THE PROPERTY.

PARTICLE AND SET TO SELVING SET TO SELVING SET TO SET Location/Qualifiers 67..2439 /*tag= a

ö Score 15; DB 35; Length 4440; Pred. No. 8.37e+01; 0; Mismatches 0; Indels 0 Query Match Best Local Similarity 100.0%; Matches 15; Conservative

RESULT 505

ID 764783;
TG4783;
TG4783;
DT 01-582P-1927 (first entry)
DF 01-582P-1927 (first entry)
DF 01-582P-1927 (first entry)
RM 0xygen regulated protein ORP 150 cDNN.
KW 6xygen regulated protein; 0AP 150; stress protein; ischaemia;
KW hypoglycaemia; hypoxia; gene therapy; diagnosis; da.

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US-08-887-977-9. rng

Tue Nov 17 08:55:26 1998

Page 489

PACE into its auture form. Thus, the host cell is capable of producting high lensis of PACE and curing anture heterologous producting high lensis of PACE and PACE AN

Outery Match 1.34; Score 14; DB 17; Length 4405; Best Local Similarity 100.04; Predd No. 3.476+05; Matches 14; Conservative 0; Minmatches 0; Indels 0; Matches

Page 494		Page 496
Tue Nov 17 08:55:26 1998 US-08-887-977-9.EDG	199, 1904     199, 1904     199, 1904     199, 1904     199, 1904     199, 1904     199, 1904     199, 1904     199, 1906     199, 1906     199, 1906     199, 1906     199, 1906     199, 1906     199, 1906     199, 1906     199, 1906     199, 1906     199, 1906     199, 1906     199, 1906     199, 1906     199, 1906     199, 1906     199, 1906     199, 1906     199, 1906     199, 1906     199, 1906     199, 1906     199, 1906     199, 1906     199, 1906     199, 1906     199, 1906     199, 1906     199, 1906     199, 1906     199, 1906     199, 1906     199, 1906     199, 1906     199, 1906     199, 1906     199, 1906     199, 1906     199, 1906     199, 1906     199, 1906     199, 1906     199, 1906     199, 1906     199, 1906     199, 1906     199, 1906     199, 1906     199, 1906     199, 1906     199, 1906     199, 1906     199, 1906     199, 1906     199, 1906     199, 1906     199, 1906     199, 1906     199, 1906     199, 1906     199, 1906     199, 1906     199, 1906     199, 1906     199, 1906     199, 1906     199, 1906     199, 1906     199, 1906     199, 1906     199, 1906     199, 1906     199, 1906     199, 1906     1906     1906     1906     1906     1906     1906     1906     1906     1906     1906     1906     1906     1906     1906     1906     1906     1906     1906     1906     1906     1906     1906     1906     1906     1906     1906     1906     1906     1906     1906     1906     1906     1906     1906     1906     1906     1906     1906     1906     1906     1906     1906     1906     1906     1906     1906     1906     1906     1906     1906     1906     1906     1906     1906     1906     1906     1906     1906     1906     1906     1906     1906     1906     1906     1906     1906     1906     1906     1906     1906     1906     1906     1906     1906     1906     1906     1906     1906     1906     1906     1906     1906     1906     1906     1906     1906     1906     1906     1906     1906     1906     1906     1906     1906     1906     1906     1906     1906     1906     1906	The Nov 17 08:55126 1998  The Nov 17 08:55126 1998  Whithes 14: Conservative 0, Mismatches 0: Indels 0: Gaps 0; 735 TSTSTSTSTSTSTSTSTSTSTSTSTSTSTSTSTSTSTS
Page 493		Page 495
Tue Rov 17 08:55:26 1998 US-08-887-977-9.Ing	Roy maptens   Cocation/Qualiffers	The Nov 17 08155;26 1998  CC also been isolated. ONP 150 nucleic acids can be used in the ccc the preport of ONP 150 polypeptides and in mathods for the disposis of the texture of inchange diseases.  CC the preport of ONP 150 polypeptides and in mathods for the disposis of the texture of inchange diseases.  CD equive Match 131, Score 14, 117 C, 1311 C, 970 T, ONE-TO-CO 1, 104-12, Inspection of CD 1, Index 0, Index

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PF 21-MR-1996; E01271.

PR 31-MR-1996; E01271.

PR (3ANO) SANDOS PATENT CHEM.

A (3ANO) SANDOS PATENT CHEM.

A (3ANO) SANDOS PATENT CHEM.

PR (3ANOS PATE
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match
131, Score 14; DB 24; Length 4921;
Best Local Similarity 100:04, Pred. No. 3-47-602;
Marches 14; Conservative 0; Mismatches 0, Gaps
           US-08-887-977-9. rng
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NO 01-198-1988 ((fitz entry))
DE POSSAGE standard; DNA: 4951 BP.

O1-198-1988 ((fitz entry))
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10 00414 standard; DNA; 4691 BP.

10 Row spitems and an elongation factor 1 alpha (hEP-lalpha) gene.

10 Row spitems and an elongation factor 1 alpha (hEP-lalpha) gene.

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13 Roy Spitems and Alpha (hEP-lalpha) gene.

14 Roy Spitems and Alpha (hEP-lalpha) gene.

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16 Roy Spitems and Alpha (hEP-lalpha) gene.

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1D 78305 standard; DNA; 4821 BP.

20 304N-1997 (first entry)

DT 03-0XV-1997 (first entry)

DT 03-0XV-1997 (first entry)

NY TOSPOVIUS Affacese resistance; crop protection; transgenic plant;

NY tomac Allosoits apot virus; groundur tingspot virus;

NY timpatien necrotic apot virus; yital movement protein; da.

ST TOMAC Spotted vilt virus.

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AC 03445.395 (first entry)
DE JCF1 receptor; Analian-like growth factor: receptor;
CO 03445.395 (first entry)
DE GLF2 receptor; Analian-like growth factor: receptor;
CO 03445.395 (first entry)
DE JCF2 receptor; Analian-like growth factor: receptor;
CO 03445.395 (first entry)
CO 
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AC 195573 standard; cDRA, 4989 BP.

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Bew Local Similarity 10:0% Pred. No. 3.47-00; Indels 0; Gaps
Matches 14: Conservative 0; Hismarches 0; Indels 0; Gaps
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CC ATON clone (T1312) codes for human insulin-like growth factor a receptor (GT HI) (18122). TGT HE plays a curedial role in a resolut smooth muscle cell (1924) politicative responses. Rat CC and the CT ATON (T1312) has profited the base for an attense senses. Rat CC and 1312 (T1312) has profited the base for an attense senses. Rat CC and 1312 (T1312) has profited the base for an attense senses and another to come for the control of the control 
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15-WOV-1995, U14952.
16-WOV-1994, U5-140732.
(UTJE-) UNIV JEPPERSON THOMAS.
Abraham D, Baserga R, Resnicoff M;
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The peptide of a from insulin-like growth factor I receptor especially C-terminally truncated or derived peptide(s), useful for

Tue Nov 17 08:55:26 1998 US-08-887-977-9.zng	PF 25-MAR-1994, 003114.  PR 26-MAR-1994, 003134.  PR 26-MAR-1994, 00316-20-20-20-20-20-20-20-20-20-20-20-20-20-	The Nov 17 08:55:26 1998  The Nov 17 08:55:26 1998  The nisc_feature 12702278  The cature 1270203  The nisc_feature 1270203  The nisc_feature 1271203  The nisc_feature 1271203  The nisc_feature 1271203  The nisc_feature 1271204  The nisc_feature 1272274  The nisc_feature 1272275  The nisc_feature 1272275  The nisc_feature 1272276  The nisc_feature 1272776  The nisc_fe
Page 505		Page 507
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Tue Nov 17 08:55:26 1998 US-08-887-977-9.zmg	modulating apoptosis in e.g. cancer, AIDS, autoimmune diseases, processing apoptosis in e.g. cancer, AIDS, autoimmune diseases, cc creations codes for human issualis-like growth factor I receptor (id) a deletion materia of GFP-IR without has part of the comprise of the ceminal 180 and eletion materia of GFP-IR without has part of the ceminal 180 and eletion materia of GFP-IR without has part of the ceminal 180 and eletion materia of GFP-IR without has part of the ceminal 180 and eletion material for the peptide comprising of the ceminal peptide comprising of the ceminal peptide comprising of the peptides are deletion material for the peptides are deletion material for the peptides are deletion of the peptides are deletion of the peptides of the peptides are deletion of the peptides of the peptides are deletion of the peptides of the peptides are deletion or auryland of the center of the peptides of the peptides are deletion or auryland or eletion o	The Nov 17 08:55:26 1998  The miso_feature 187.130  The miso_feature 1

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        Page 509
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1.34; Score 14; DB 24; Length 4989;
Per Local Similarity 100.04; Pred No. 3.47-002;
Matches 14; Conservative O; Mismatches O; Indels O; Gaps
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TO 799439 sendard: DNA, 5042 BP.

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TO 70-APR-101-1904 (first entry)

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Page 510

cc using samples large numbers of pigs can be genotyped rapidly. The mathods can be used to identify differences between pig alleles associated with improvements in production traits, and in marker associated with improvements in production traits, and in marker associated dentification/cleation of pigs. The FFRAM gene can also the used of central training and production also conding destruble alleles of FFRAM, to enhance production on physiological characteristics. Specific animals or peptides may also be produced from the companies of the production of the companies of the co Tue Nov 17 08:55:26 1998 \$8888888888888888888888888888888

134; Score 14; DB 38; Length 5042; Best Local Similarity 1000; Pred 18; No. 3.476+02; Indels 0; Gaps Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps

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PR 22-ccr-1992; US-06505.

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ö Query Match 1.13; Score 14; DB 13; Length 5169; Bast Local Similarity 100:04; Pred No. 3.474-02; Indels (Matches 14; Conservative 0; Mismatches 0; Indels (

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Page 513

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Outery Match 1134; Score 14; DB 10; Length 5169; Best Local Similarity 100;08; Pred. No. 3474-074; Matches 14; Conservative 0; Mismatches 0; Indels 0

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| RESULT 533 | RESULT 5330 | RESULT 53300 | RESULT 5330

PR (95-MAR-1991, US-665791.

PR (TEXA) UNIVERSE.

PR (1904) PERSE.

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CC The S. vedmorensis fosfomycin biosynthesis related gene 106001, encodes the methylation (HT) and epozylation (EP) engages R85167 and CR R85168, respectively. By cloning and integrating clusters of the HT can appete proper and an encoderate and properties of the HT can appete properties of the HT can appete properties of the HT can appete properties of PRSS1 (PERM P-14343). The prepare the S. lividans variant CC feaformycin by culture in a nutrient medium by conventional methods. Sequence 5169 BP. 8904, 1753 T. 1773 G. 7754 F.
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                                                                                                                                                                                                                                                                                         Ouery Match 1.3%; Score 14; DB 18; Length 5169; Best Local Similarity 100.08; Fred. No. 3.474-07. Metables 14; Conservative 0; Mismatches 0; Indels 0
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70078-1991.
10-NOV-1987; 18967.
10-NOV-1987; 02-118967.
Baseman JP, Su CJ, Dallo SF, WRI, 3-2074657/89.
                                                                                                                                                                                                                                                                                                                                                                                                                  /nos
misc_difference 508;
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CG See also 015518-70.

CG See also 015518-70.

SQ Sequence 5165 BP; 1123 A; 1454 C; 1279 G; 1113 T;

Chery Match

Lift Score 14, Donservative 0, Mismatches 0, Indels 0, Gaps 0;

Bert Local Similarity 100.01; Pred, No. 3, 476-40;

Bert Local Similarity 100.01; Pred, No. 3, 476-40;

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US-08-887-977-9. IDS

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0; Indels 0;

Length 5186;

Query Match Best Local Similarity 100.0%; Matches 14; Conservative Db 1387 ttgtgtttctggct 1400 ||||||||||||||||||||||||||||||Qy 755 TrGtTrTcTGGCT 768

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Claim 13; Fig 11; 131pp; English.

This sequence represents the coding sequence for the brosophila minogaster 'timeleas' (TRN) protein. This sequence also encodes the TYM splice variant. This is a moulear transforation protein. Properly of the minogaster Timeleas' (TRN) protein. The splice variant. This is a moulear transcription percent of protein involved in circadian hypidus, and of orginic transcription percent. The state of the invention have specific binding scriptive and pass a stabilish of the process of circadian rhypidus protein. The FFF also has the shilly to aid the process of circadian rhypidus settlement to entiremental crack (and in the process of circadian rhypidus which has the interpretable process of the process of circadian rhypidus process and the process of circadian rhypidus and the process is an opposphosylated with a circadian rhythm and the process is an opposphosylated with a circadian rhythm and has process is an expension of the invention of the invention of displaces of circadian rhythm and has depressed on marcollass are useful for preventing and or circadian rhythm as a secondarion of the invention of the conditions as as as to classify groups of individuals with the disorders.

Sequence 5199 BP; 1423 A; 1356 C; 1273 G; 1145 T;
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(**Lage a b)

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1-728-1997; 002193.

R 29-728-1996; 
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NO 190139 standard, CDNA, 5285 BP.

DE PROSPBATICH, INCATCA 3 **Ainase cak** CDNA.

DE PROSPBATICH, INCATCA 3 **Ainase cak** CDNA.

MA Antagonia: inflammatory joint disease; call proliferation; call cycle;

NN Antagonia: inflammatory joint disease; call proliferation; cancer;

NN AND 1902 STATE STAT
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NO 014637; standard, DRN, 5238 BP.

A 074637; standard, DRN, 5238 BP.

A 074637; standard, DRN, 5238 BP.

B 24-CHR1995 (first entry)

N LARIL: repetitive element: rape; Brassica napus; plant;

NN LARIL: repetitive alement: rape; Brassica napus; plant;

NN LARIL: repetitive alement: rape; Brassica napus; plant;

NN MACANETHY AND THE AND 
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1.33: Score 14: DB 14; Length 5248;
Best Local Smilarity 100: 04; Pred. No. 1476+05;
Matches 14; Conservative 0; Mismatches 0; Indels 0;
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RESULT 513

10 760333 standard; DNA, 5198 BP.

A 760335

DE 28-WAT-1997 (first entry)

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PERSONAL SERVICES.

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This repetitive element is used to sythesize DNR prizers which may be used for testing for infestation of plant tissue with L. particularly with respect to blackles infestation of functional particularly with respect to blackles infestation for functione especially rape (brassica napus). Infestation testing may be especially rape (brassica napus). Infestation testing may be especially in virial present in about 80 copies per haploid genome only in virial solates of L. meculans and is present on every chromosome.

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Ouery Match 1.3%, Score 14; DB 13; Length 5238; Best Local Similarity 100:0%, Pred. No. 3:478-07; Matches 14; Conservative 0; Mismatches 0; Indele 0; Gaps

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RESULT 527

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used to goreen the cDNA library to obtain larger fragments, and missing order were obtained by Note & recompliant host cell, cell stretching to prove the construction of the construction
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Score 14; DB 40; Length 5285; Pred. No. 3.47e+02; O; Mismatches O; Indels

Query Match Best Local Similarity 100.0%; Matches 14; Conservative 

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Length 5285; Query Match
1.3%; Score 14; DB 40; Length 5285
Best Local Similarity 100.0%; Pred. No. 3.47e-02; Indels
Matches 14; Conservative 0; Mismatches 0; Indels

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PR 99731650-A1.
PD 04.28F2-1997.
PR 29-FEB-1996 U05193.
PR 20-FEB-1996 U05193.
PR 20-FEB-1996 U05193.
PR 40-FEB-1996 U05193.
PR 40-FEB-19
RESULT 529

TE01999 eranderd; CDNA; 5283 BP.

TE01999 eranderd; CDNA; 5283 BP.

TE01999 eranderd; CDNA; 5283 BP.

TE01999 eranderd; First entry

RW Phosphaticy1 included; First entry

RW Phosphaticy1 included; First entry

RW Propalaticy1 included; First entry

CC Phrosphate; First entry

RW Propalaticy1 included; First entry

CC Phrosphate; First entry

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osine phosphatase;

77-WA-1998 (first entry)
CDRA, for int CASPAPAPO, a ligand for RPP-beta.
CASPA, 1990; contactin associated protein; rat;
AFF-peta; reunite; neuron; neuron; protein tyrosis
PAFP-beta; neurite; neuron; neurological disease.
Parkinson's disease; Alackmer's disease Runtingocerebral palay; mental retardarion; associatophic als
Inflamation; artiritis; colorectal cancer; therap
Rattus norwesticus.

Location/Qualifiers 154..4299

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PR. P. 197-40.

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RESULT 531

T03794 standard, DNN, 5356 BP.

AT 71394, AT 1997 (first entry)

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atch 1.3%; Score 14; D9 25; Length 5356; cal Similarity 100/04; Pref. No. 3/7e-00. 14; Conservative 0; Mismatches 0; Indels ( Query Match Best Local S

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Chimeric Homo sapiens;
Chimeric Rattus sp.;
Chimeric synthetic.
Key
Promoter 719.155

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ID 116560 greandard; cDNA to mENA; 5460 BP.
AC 716560; To 6560; Cfirst entry)

EWector pickla cone; Manama collagen type III alpha-1 chain gene.

EWector pickla cone; Manama collagen type III alpha-1 chain gene.

EW Polyhedrin promoter; expression vector; human; collagen; insect cell;

KM Spodperen frugiperda; 5f9; hydroxylate; proline; triple strand; ds.

PN 708023978-A.

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D 30-AM-1996.
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To 76185: standard: DNA: 5520 BP.

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N90732 standard; DNA; 5376 BP.
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PR 15-7UL-1994; 164433.

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PR 15-7UL-1994; 16-18433.

PR 15-7UL-1994; 19-184433.

PR 15-7UL-1994; 19-184433.

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PR 15-7UL-1994; 19-184434.

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Bet Local Similarity 1004; Peed, No. 3.47e-02;
Matches 14; Conservative 0; Hismatches 0; Indels 0; Gaps
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CC syncrylatic cell Xilling effect useful for Xilling malignant cells on an extraction. So Sequence 5520 BP: 1193 A; 1671 C; 1533 G; 1063 T; 0.0 Sequence 5520 BP: 1193 A; 1671 C; 1533 G; 1063 T; 0.0 Sequence 5520 BP: 1193 A; 1671 C; 1533 G; 1063 T; 0.0 Sequence 5520 BP: 1193 A; 1671 C; 1533 G; 1063 T; 0.0 Sequence 5520 BP: 1193 A; 1671 C; 1533 G; 1063 S; 0.0 Sequence 5520 BP: 1193 A; 1671 C; 1533 G; 1063 S; 0.0 Sequence 5520 BP: 0.0
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RESULT 537 ID T09946 standard; DNA; 5643 BP. AC T09946;

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Page 530
US-08-887-977-9. xmg
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PD 26-DE-1995, DR 20048.

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Pred. No. 3.47e+02;
0; Mismatches 0; Indels 0
26-UN-1996 (first entry)
Aspergillus orysee acts gene,
arch gene; protesse-free, activator; host cell;
Aspergillus oryzes strain IPO4177.
Aspergillus oryzes strain IPO4177.
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0; Indels 0; Query Match Best Local Similarity 100.0%; Matches 14; Conservative

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Length 5648; Query Match 1.3%; Score 14; DB 24 Best Local Similarity 100.0%; Pred. No. 3.47e+ Matches 14; Conservative 0; Mismatches

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| RESULT | 1912 | 1914 | 1915 | 1915 | 1915 | 1915 | 1915 | 1915 | 1915 | 1915 | 1915 | 1915 | 1915 | 1915 | 1915 | 1915 | 1915 | 1915 | 1915 | 1915 | 1915 | 1915 | 1915 | 1915 | 1915 | 1915 | 1915 | 1915 | 1915 | 1915 | 1915 | 1915 | 1915 | 1915 | 1915 | 1915 | 1915 | 1915 | 1915 | 1915 | 1915 | 1915 | 1915 | 1915 | 1915 | 1915 | 1915 | 1915 | 1915 | 1915 | 1915 | 1915 | 1915 | 1915 | 1915 | 1915 | 1915 | 1915 | 1915 | 1915 | 1915 | 1915 | 1915 | 1915 | 1915 | 1915 | 1915 | 1915 | 1915 | 1915 | 1915 | 1915 | 1915 | 1915 | 1915 | 1915 | 1915 | 1915 | 1915 | 1915 | 1915 | 1915 | 1915 | 1915 | 1915 | 1915 | 1915 | 1915 | 1915 | 1915 | 1915 | 1915 | 1915 | 1915 | 1915 | 1915 | 1915 | 1915 | 1915 | 1915 | 1915 | 1915 | 1915 | 1915 | 1915 | 1915 | 1915 | 1915 | 1915 | 1915 | 1915 | 1915 | 1915 | 1915 | 1915 | 1915 | 1915 | 1915 | 1915 | 1915 | 1915 | 1915 | 1915 | 1915 | 1915 | 1915 | 1915 | 1915 | 1915 | 1915 | 1915 | 1915 | 1915 | 1915 | 1915 | 1915 | 1915 | 1915 | 1915 | 1915 | 1915 | 1915 | 1915 | 1915 | 1915 | 1915 | 1915 | 1915 | 1915 | 1915 | 1915 | 1915 | 1915 | 1915 | 1915 | 1915 | 1915 | 1915 | 1915 | 1915 | 1915 | 1915 | 1915 | 1915 | 1915 | 1915 | 1915 | 1915 | 1915 | 1915 | 1915 | 1915 | 1915 | 1915 | 1915 | 1915 | 1915 | 1915 | 1915 | 1915 | 1915 | 1915 | 1915 | 1915 | 1915 | 1915 | 1915 | 1915 | 1915 | 1915 | 1915 | 1915 | 1915 | 1915 | 1915 | 1915 | 1915 | 1915 | 1915 | 1915 | 1915 | 1915 | 1915 | 1915 | 1915 | 1915 | 1915 | 1915 | 1915 | 1915 | 1915 | 1915 | 1915 | 1915 | 1915 | 1915 | 1915 | 1915 | 1915 | 1915 | 1915 | 1915 | 1915 | 1915 | 1915 | 1915 | 1915 | 1915 | 1915 | 1915 | 1915 | 1915 | 1915 | 1915 | 1915 | 1915 | 1915 | 1915 | 1915 | 1915 | 1915 | 1915 | 1915 | 1915 | 1915 | 1915 | 1915 | 1915 | 1915 | 1915 | 1915 | 1915 | 1915 | 1915 | 1915 | 1915 | 1915 | 1915 | 1915 | 1915 | 1915 | 1915 | 1915 | 1915 | 1915 | 1915 | 1915 | 1915 | 1915 | 1915 | 1915 | 1915 | 1915 | 1915 | 1915 | 1915 | 1915 | 1915 | 1915 | 1915 | 1915 | 1915 | 1915 | 1915 | 1915 | 1915 | 1915 | 1915 | 1915 | 1915 | 1915

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RESULT 539

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Location/Qualifiers
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Aspergillus orygae .
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Tue Nov 17 08:55:26 1998

Query Match
Best Local Similarity 100.0%;
Matches 14; Conservative

g

RESULT 538

AD 19334 seandard: DNA, 5643 BP.

AD 13-MAY 1394.

DE Apergillus oryane area, regulator gene.

DE Apergillus oryane area, regulator gene replacement; a tack regulator; pepc; Pepc; protease; gene replacement; KM attender; gene inactivation; protease-free host cell; KM recombinant protein; se

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Page 534
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10-0c7-1384.
PD 10-0c7-1384.
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No. 9197-01; Matches 15; Conservative 0; Minmatches 0; Indels 0; Gaps
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ID 785399 standard; CDRs, 6000 BP.

ID 785399 standard; CDRs, 6000 BP.

II 379213997 (diret entry)

DE Mann protein Pryosine phosphase PTP-08 encoding CDNA.

NN Protein Pryosine phosphases PTP-08; PTP-08; Secolise;

NN Protein Pryosine phosphases PTP-08; PTP
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                       Tue Nov 17 08:55:26 1998
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PD 05-287-1991.

PD 16-287-1991.

PD 16-
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                                                                             Tr 542
Q10378 standard; CDNs; 5856 BP.
Q10378 standard; CDNs; 5856 BP.
Q10378 12-APR PROPER STANDARD S
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Best Local Similarity 100 ON; Pred No. 8:78-01; Local Similarity 100 ON; Pred No. 8:78-01; Lindels 0; Gaps
Matches 15; Conservative 0; Minmatches 0, Indels 0; Gaps
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/*tag= 1
/note= "PolyA site for cDNA clones cDm4927 and
cDm4928"
US-08-887-977-9. rng
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3777 ggtgatcaccacca 3790

Tue Nov 17 08:55:26 1998

polya_signal polya_signal polya_site

Cp 645 AAGAACCAAAGAG 631

Tue Nov 17 08:55:26 1991

RESULT 543 ID Q86478 standard; cDNA; 6000 BP.

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US-08-887-977-9. rng
Tue Nov 17 08:55:26 1998
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US-08-887-977-9.xng

Tue Nov 17 08:55:26 1998

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2715..2826 /*tag= '9 /note="Claim 24" 2715..2826 /*tag= g /note="Claim 24"

misc_feature

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WERLY WERRY & CO INC.

By Add GA. MILLEGGE 53, Schmidt A:

By Pack A. MILLEGGE 53, Schmidt A:

By Pack A. MILLEGGE 53, Schmidt A:

By Pack A. MILLEGGE 54, Schmidt A:

Company A:

Company
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Ouery Match 1.3%; Score 15; DB 34; Length 6000; Best Local Similarity 100;09; Pred. Ro. 8.37e-01; Markenbes 15; Conservative 0; Mismarches 0; Indels (

PD 32-007-1389.

PD 32-007-1389.

PR 10-008-1389.

PR 11-12R-1389.

PR 13-1389.

PR

Query Match 1.3%; Score 15; DB 1; Length 6172; Best Local Similarity 100:09; Pred. No. 9.37e-01; Indela Best Local 15; Conservative 0; Mismatches 0; Indela

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RESULT 546

ID 195738 standard; GDWA, 6236 BP.

KC 195739 standard; GDWA, 6236 BP.

DE PRES AND 1958 (first entry)

DE PRES AND 1958 (first entry)

DE PRES SHOWN CHEE EGIAGE entry from 1858; C. Linked mental retardation; disgnosts; therapy, sa. F. Mey appiens. Location/Qualifiers

FR CDS //ASS 194.4399

FT CDS //ASS 1858 a.

g

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31.707.1922 (second entry)
Hinding fragment of PLA2 8:5 EMEL3 encoding human inflammatory
phospholippes A2.
Inflammation set actia trable; phosphatide 2-acylhydrolase; lipolytic;
glycerophospholipids, non-pancratic; ss.
fey
from incompanial control of the contr
                                                                                                                                                                                                                                                                                                                                                                                                                                             Iocation/Qualifiers
1.249 a
/*tag a
2702.2846
/*tag b
/*tag b
/*tag 13105.321
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Tue Nov 17 08:55:26 1998

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exon/exon boundary
                            WO9723610-A1.
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70.7002-1995, AUGUSS

70.7002-1995, AUGUSS 1652 C; 6236 BP; 1802 A;

Page 539

Page 540

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RESOLT 547

RESOLT
                                                                                                                                                               0; Mismatches 0; Indels
                                                                                                                                                               Matches 15; Conservative
                                                                                                                                                                                                                                                      Tue Hov 17 08:55:26 1998
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ary Match 1.3%, Score 15; DB 38; Length 6259; Lecal Similarity 100:09, Pred. No. 6.374-001; Onders 15; Conservative 0; Mismatches 0; Indels 0; Gaps Query Match Best Local S Matches 1

3663 ttgtatttttggttg 3677

Query Match 1.3%; Score 15; DB 34; Length 6236; Best Local Similarity 100.0%; Pred. No. 8.37e+01;

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Page 542
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                                                                                                                                                                                                                                cc epidermal cells and DNA sequences encoding pl5 and p40 subunits of CC II-12 to target cells in Yero. Delivary of the construct allows in II-12 to target cells in Yero. Delivary of the construct allows to the construct allows in Communication of the Communica
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0653395 standard; DNN; 6410 BP.
06550951994 (first entry)
Osteogenic protein, hOP2 gene.
Osteogenic protein, hOP2-2; OP-2; hOP2; tissue morphogenesis;
osteogenic protein; ss.
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TO 70-7013.)

Plamaid proficials entry)

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V02043 standard; DNA; 6295 BP.
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05-JUN-1996; US-659206,
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WRI; 98-041998/Q4,
P-PSDB; W44004-05,
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PP 12-NAY-1994, 005287.
PP 12-NAY-1994, 005287.
PR 11-NAY-1994, 005287.
PR 11-NAY-1994, 00561465.
PR 11-NAY-1994, 0066146.
PR 11-NAY-1994, 006614.

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W09315201-A.
DE 25-ANG-1993 100568.
READ-1993 100568.
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Best Local Similarity 100:0%; Pred No. 3.476+0; Indels 0; Gaps
Matches 14; Conservative 0; Mismatchies 0; Indels 0; Gaps
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DQ 0497351 standard; DNN; 6827 BP.

QQ 0497351 standard; DNN; 6827 BP.

QQ 0497351 standard; DNN; 6827 BP.

DE TOWNR-1936 (first entry)

DE TOWNR-1936 (first entry)

DE TOWNR-1936 (first entry)

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NO Expense chain recurion; Pris, da.

PRISON (FIRST Entry)

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PRISON (1877.1292)

PRI
                                                                                                                                                                                equences were also provided for human osteogenic protein OP1
(063391, R8195), money CP (063392, R8195), human OPZ (065393,
R8195), AND MAN OPZ (065394, R8195), human OPZ (065393),
R8195), as well as the generic Degree of the generic Degree of the generic Degree of the CP (065395), as well as the generic Degree of human OPZ (065395), as well as the generic Degree of human OPZ (063395), as well as the generic Degree of human OPZ (063395), as well as the generic Degree of human OPZ (063395), as well as the generic Degree of human OPZ (063395), as well as the generic Degree of the Generic Degree Degree of the Generic Degree Degree of the Generic Degree Degre
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US-08-887-977-9. Emg
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||||||||||||||||||||||||||||||Qy 147 TCTTGGCTCCTGG 160
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W09527061-A1.

10 12-CT-1995:
10 20-CT-1995:
10 20-
regenera (19474-44), and a second set which suplifies highly conserved sequences present in the catalytic demain of the c-kit subgroup of Para (19475-46). The PIX genes identified are described in 64971-57 and 841897-02.

SLE-51 is expressed in several magnarycorgic cenl lines, but not in ryphosid cell lines. The SAL-51 expression prod. exhibited a significant sequence monology with howon posterin typosic Kinases of the PIX/PIX family. The partial and fall-length SAL-51 seems exquences are given in 1555, and 1665 ir specticely.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match 1.3%; Score 14; DB 6; Length 6827; Dest Local Similarity 100:0%; Pred. No. 3.478-0; Matches 14; Conservative 0; Minmatches 0; Indels 0; Gaps
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misc_difference 3056
Anotee base n at position 3026 is not identified
in the specification
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To 703101; standard; DNN; 6327 BP.

AC TO3101; standard; DNN; 6327 BP.

AC TO3101; standard; DNN; 6327 BP.

AC TO3101; standard; DNN; 634.81 gene.

BE GENERAL TYPESIDE Klasse; PR; 8AL-51; agonist; cell growth;

REST 64 CAPE 100:

PT Misc_difference 3006

ROSS7061-A1.

TO ROSS7061-A1.

PR W0557061-A1.

PR W0557061-A1.

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Qy 147 TcTTGGCTCCTGG 160
         8888888888
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Page 548

796 As with a predicted MM of 88 kDa. H-Mat 2 genomic RUN is claimed and so are the nucleic acid sequence and anticlains of ORFs ia, ib and a. Men the overlap region of ORF ia and ib was examined, a control of the co 88888888888888888888

Opery Match 1139, Score 14, DB 13, Length 6828, Best Local Similarity 7149, Peter No. 34 Pet-02; Matches 01, Conserrative 4; Minmatches 02, Indels 0; Gaps

RESULT 554

In 11116 standard; DNA, 6953 BP.

To 11116 standard; DNA, 6953 BP.

To 0.7D.-1996 (first entry)

Results included gene.

Results included

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Page 550
US-08-887-977-9. zng
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detection of the mutation by PCR amplification or hybridisation methods

Page 549

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detection of the mutation by PCR amplification or hybridisation are badds as the motation by PCR amplification or hybridisation are badds as the badds are condea human inchoopin, and is shown in full with contrasponding sequence without introns is shown in contrasponding sequence without introns is shown in contrast in the sequence without introns is shown in contrast in the sequence without introns and incompair amino contrast in the sequence of the monant certainia of principles of the normal contrast of a sequence of all noise and certainia of principles of the contrasponding normal sequence. Princes 468 (17122) and 502 (17122) may be used along with principles 188 (17122) to amplify a cutain and normal sequence. Prepares 468 (17122) and 502 (17122) and 602 (171222) and 602 (17122

Query Match 1.3%; Score 15; DB 19; Length 6953; Best Local Similarity 100, 9 Pred. 10. 6.37e-01; Marches 15; Conservative 0; Mismatches 0; Indels 0; Gaps

Db 6783 cagcttccacctgat 6797 [11] [11] [1] Cp 609 CAGCTTCCACCTGAT 595

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//fisq and primers 485 (T17122) (normal) and 502. (GG. 2.18) //fisq h. (mitant) | fisq and fi
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Actor 2010 Stock (355..369)

(Actor 2010 Stock (350.000 St
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ce= "Binds probes T17117 (mutant) and T17118
mmal)
complement (354..372) /*tag= e
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Page 551

US-08-887-977-9. ING

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ACTION ONLY DUES.

Maintening the control of the BRCA2 cancer programment of cancer useful for displaying the control of the BRCA2 cancer programment of cancer useful for displaying the control of cancer useful for displaying the control of cancer assembled to cancer susceptibility gene. The worlds and maleuse of the BRCA2 cancer assembling the call molecule can be used to cancer assembling the call molecule can be used to construct probes for streaming colbo and assembling the full length BRCA2 and control of sections obtained, and assembling the full length BRCA2 sequencing the cancer of the BRCA2 cancer of the BRCA2 nucleic acid molecules and proteins are usefully for treating cancer, where the cancer is cancer in the BRCA2 nucleic acid molecules and proteins are usefully for treating cancer. Where the cancer couls male to be the BRCA2 nucleic acid molecules and proteins are proteined to the breams. The article acid as the cancer is a patient. The cancer of the BRCA2 nucleic acid molecules are also useful is a method for prevented. The nucleic acid molecules are also useful as patient. The nucleic acid molecules are also useful as a manuscriptibility or prediaposition to cancer in a patient. The nucleic acid molecules are used to detail probes or primers for PR to nucleic acid molecules are used to detail probes or primers for PR to acid molecules and the procession of nucleic acid molecules are used to detail probe account of an application in a sample of nucleic acid molecules which modulate the expression of nucleic acid under the properties which modulate the expression of nucleic acid under the properties and the procession of nucleic acid under account to a patient of a BRCA2 polypeptide or its mutual for a patient of a BRCA2 polypeptide or its mutual for a patient of a BRCA2 polypeptide or its mutual for a patient of a BRCA2 polypeptide or its mutual for a patient of a 

Score 14; DB 35; Length 7240; Pred. No. 3.47e+02; 0; Mismatches 0; Indels 0; Gaps 1.3%; Best Local Similarity 100.0%; Matches 14; Conservative

a ò

RESURT. 556

AC 1951/8 etcandard; DNA: 7277 BP.
AC 1951/8 (first entry)
DE PERING**
PRUME PRINCHIVE I (ERNY) polyprovein encoding nucleotide sequence.
TW Equine Princoirus I; ERNY; Foot-and-mosth disease virus; vaccine;
TW Equine Princoirus I; ERNY; Foot-and-mosth disease virus; vaccine;
TW Eccombinant protein; enryme-linked immunosorbent assay;
OS Equine Phinorius I;
TW Footburn protein;
TW Footburn prot 

PH 99927201-11.

PE 19-707-1954.

PE 19-707-1959.

PE 19-US-08-887-977-9. rng 415.7129
A /cocon_ataire putative
A /cocon_ataire putative
A 10.739
A /coce / A /coce Tue Nov 17 08:55:26 1998 misc_feature 3. GTR SGO

Page 552

| RESULT 555 | 1970 | 1970 | 1970 | 1970 | 1970 | 1970 | 1970 | 1970 | 1970 | 1970 | 1970 | 1970 | 1970 | 1970 | 1970 | 1970 | 1970 | 1970 | 1970 | 1970 | 1970 | 1970 | 1970 | 1970 | 1970 | 1970 | 1970 | 1970 | 1970 | 1970 | 1970 | 1970 | 1970 | 1970 | 1970 | 1970 | 1970 | 1970 | 1970 | 1970 | 1970 | 1970 | 1970 | 1970 | 1970 | 1970 | 1970 | 1970 | 1970 | 1970 | 1970 | 1970 | 1970 | 1970 | 1970 | 1970 | 1970 | 1970 | 1970 | 1970 | 1970 | 1970 | 1970 | 1970 | 1970 | 1970 | 1970 | 1970 | 1970 | 1970 | 1970 | 1970 | 1970 | 1970 | 1970 | 1970 | 1970 | 1970 | 1970 | 1970 | 1970 | 1970 | 1970 | 1970 | 1970 | 1970 | 1970 | 1970 | 1970 | 1970 | 1970 | 1970 | 1970 | 1970 | 1970 | 1970 | 1970 | 1970 | 1970 | 1970 | 1970 | 1970 | 1970 | 1970 | 1970 | 1970 | 1970 | 1970 | 1970 | 1970 | 1970 | 1970 | 1970 | 1970 | 1970 | 1970 | 1970 | 1970 | 1970 | 1970 | 1970 | 1970 | 1970 | 1970 | 1970 | 1970 | 1970 | 1970 | 1970 | 1970 | 1970 | 1970 | 1970 | 1970 | 1970 | 1970 | 1970 | 1970 | 1970 | 1970 | 1970 | 1970 | 1970 | 1970 | 1970 | 1970 | 1970 | 1970 | 1970 | 1970 | 1970 | 1970 | 1970 | 1970 | 1970 | 1970 | 1970 | 1970 | 1970 | 1970 | 1970 | 1970 | 1970 | 1970 | 1970 | 1970 | 1970 | 1970 | 1970 | 1970 | 1970 | 1970 | 1970 | 1970 | 1970 | 1970 | 1970 | 1970 | 1970 | 1970 | 1970 | 1970 | 1970 | 1970 | 1970 | 1970 | 1970 | 1970 | 1970 | 1970 | 1970 | 1970 | 1970 | 1970 | 1970 | 1970 | 1970 | 1970 | 1970 | 1970 | 1970 | 1970 | 1970 | 1970 | 1970 | 1970 | 1970 | 1970 | 1970 | 1970 | 1970 | 1970 | 1970 | 1970 | 1970 | 1970 | 1970 | 1970 | 1970 | 1970 | 1970 | 1970 | 1970 | 1970 | 1970 | 1970 | 1970 | 1970 | 1970 | 1970 | 1970 | 1970 | 1970 | 1970 | 1970 | 1970 | 1970 | 1970 | 1970 | 1970 | 1970 | 1970 | 1970 | 1970 | 1970 | 1970 | 1970 | 1970 | 1970 | 1970 | 1970 | 1970 | 1970 | 1970 | 1970 | 1970 | 1970 | 1970 | 1970 | 1970 | 1970 | 1970 | 1970 | 1970 | 1970 | 1970 | 1970 | 1970 | 1970 | 1970 | 1970 | 1970 | 1970 | 1970 | 1970 | 1970 | 1970 | 1970 | 1970 | 1970 | 1970 | 1970 | 1970 | 1970 | 1970 | 1970 | 1970 | 1970 | 1970 | 1970 | 1

Onery Match 1.3%; Score 14; DB 35; Length 7277; Best Local Similarity 100(04; Pred 180- 3476+05). Matches 14; Conservative 0; Mimmatches 0; Indels 0;

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Tue Nov 17 08:55:26 1998
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P-PSDB: W44004-05.
Interleukin-12 gene therapy of tumours - comprises delivering
Interleukin-12 gene therapy of tumours - comprises delivering
Interleukin-12
p35 and p40 subunit(s) to target cells in vivo
Claim 5; Page 24-30; 50pp; English.
US-08-887-977-9. Ing
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Tue Nov 17 08:55:26 1998
                                               mat_peptide
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3516..4328
/*tog/roce-'putative POL protein (partial)'
432..4788
/*tog- f
4738..5725
/roce-'putative ENV coding region (partial) as
described in the specification'
4752..572
/*tog- h
/roce-'ENV protein (partial)' mat_peptide mat_peptide 

PT NO971836-A.

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NO 1692 T;

Query Match 13%; Score 14; DB 35; Length 739; Best Local Similarity 100.0%; Pred. 100.3,474-02; Matches 14; Conservative 0; Mismatches 0; Indels

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RESULT. 559
AC 1970042: Standard; CDRN; 7440 BP.
AC 1970042: Standard; CDRN; 7440 BP.
BY 694-1992 (first entry)
BY 694-1992 (first entry)
BY 594-1992 (first entry)
BY 594-199

CONA representing viral RNA sequences

Page 554

US-08-887-977-9.rpg

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Page 553

CIT. 12. Each subunit gene was closed from a mouse spleen CORN.

CILILLY, and has been placed under the transcriptional control of a separate cytomegalovirus (CRV) promoter. An SVO splitting of a pergent cytomegalovirus (CRV) promoter. An SVO splitting categories provided between each subunit gens and the promoter. The backbore of the plasmid is from political control of springly linduces at least factor the expression of III-12 as the backbore of the plasmid is from political control of the plasmid involves delivering copies sention vercor pRGN3186 (see VV2043) in vivo and in vitro. A background of trashible force, and in vitro. A promoter of copies sention of the promoter of pressible force, and an an anamalian of promoter operative in the commandiac of III-12 to carpete cells a sponsor of pressible for the control of the procession for trashible control of the procession of the control of the procession of the control of the procession of the procession of the control of the procession of the control of the procession o

Query Match 1.34; Score 14; DB 39; Length 7287; Best Local Similarity 100;09; Pred. Ro. 3.474-67; Matches 14; Conservative 0; Mismatches 0; Indels 0

셤 Š RESULT 58.58

DE 774889 standard; CDRs, 7393 BP.

DE 774889 (dirst entry)

DE 77489 (dirst entry)

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Key Location/Qualiffers
misc_feature 205..711
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6620..7402
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PN 27-19921-106110.
PN 27-19921-1061
                                                                                                                                                      PT transcription, insertion into vector and host cell transformation to Pramale The L. pages 37:311 Stopp English

CR Pramale This produced by combining plannide prilot and prilots.

CR Incoment at Millemeth colk composed by prilotyma sender. 2.coli created the Arco 13144. The CRILOTORNY plan plannid has been registered as Arco 13144. The CRILOTORNY plan plannid has been registered as Arco 13144. The CRILOTORNY plan plannid may be a compared to the Arco 13144. The CRILOTORNY plan in the Arco 13144 and the Arco 13144 arco 1414 and the Arco 1414 arco 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         134; Scorz 14, DB 4; Length 7440;
Best Local Smilarity 100.04; Pred No. 3470-02; Indels 0; Gaps
Matches 14; Conservative 0; Mismatchies 0; Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            4; Length 7502;
7e+02;
es 0; Indels 0; Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                RESULT. 562

ID TESSON: Steadard, DNA: 7766 BP.
AC TESSON: TES
US-08-887-977-9.xng
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Best Local Similarity 100.0%; Pred. No. 3.47e+
Matches 14; Conservative 0; Mismatches
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595-6130
595-6130
71849 = 08-6
6560-7489
71849 = 08-7
complement (38..1020)
71849 = 08-7
71849 = 08-7
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M. 1913 Standard DNA: 7499 BP.

M. 1922 1990 (iffat entry)

DE POTIL PROMISE 100.

OS Chawydia trachonation (90.1)

PT cds (179.252)

PT cds (17
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US-08-887-977-9. Eng

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Page 561
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PR 99971835-A. /note= 'putative ENV protein'.

PH 11-078-1395 (18-27-126).

PH 11-078-1395 (18-27-126).
PD 16-FEB-1995.

PR 11-NGC-1992 009200.

PR 11-NGC-1992 01-0105356.

PR 10-NGC-1993 01-0105356.

PR 10-NGC-1993 01-0105356.

PR 10-NG 1993 01-010536.

PR 10-NG 1993 01
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ID 046559 etandard; DNA; 7808 3P.

AC 046659 (first entry)
DT 01-DDC-1995 (first entry)
DF 01-DDC-1995 (first entry)
DF
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Scention/Qualifiers
Sea. 718
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Porcine retrovirus.
Rey
CDS 585..2159
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Barbour G.

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13N, Score 14; DB 15; Length 7808;
Best Local Similarity 1000, Pred, No. 3.474-05;
Marches 14; Conservative 0; Mismatches 0; Indels 0; Gaps
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W07504822-A.

PR W07504822-A.

PR W07504822-A.

PR W07504822-A.

PR W07501991 W072036

PR W07501991 W072036

PR W07501991 W072036

PR W07501991 W072036

PR W07501991 W07201991

PR W07501991 W07201991

PR W07501991 W07201991

PR W07501991 W07501991

PR W0750199
                                                                                         M09731123-A1.
28-AGC-1997.
20-FBB-1995, 1002952.
21-FBB-1995, UNIV TEXAS SYSTEM.
Barbour AG, Hardham JM, Howell JK, Norris SJ, Weinstock GM;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          US-08-887-977-9.xmg
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D. 04646.

D. 06466.

D. 061-082-1955 (first entry)

D. 01-082-1955 (first entry)

D. Humen neuronal, datkium channel subunit alpha 1A-2.

R. Lambert Eaton Syndrome; sa.

R. M. canbert Eaton Syndrome; sa.

S. M. Canbert Eaton Syndrome; sa.

P. Kenn saplena Location/Qualifiers

F. Cds 237-7037

F. T. Cds 77037

P. T.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    misc_difference 7035..7039
/*tag* b
/note* 'not present in alpha IA-2*
                                 7766 bases"
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Page 564

Query Match 1.3%; Score 14; DB 35; Best Local Similarity 100.0%; Pred. No. 3.47e+07 Matches 14; Conservative 0; Mismatches

REGULT 565

ID TI-484 tenderd; CDNA; 7892 BP.
AC 17484; TA 0484; TA 04884; TA 0488

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Tue Nov 17 08:55:26 1998
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PP W09713855-A1.

PD 17-APR-1397.

PD 17-APR-1397.

PD 17-APR-1397.

PD 17-APR-1397.

PD 17-APR-1397.

PD 10-COT-13991.

PD 10-COT-13991.

PD 10-COT-13991.

PD 10-COT-13991.

PD 10-COT-13991.

PD 19-COT-13991.

PD 19-COT-13991. ESSULT 566

DE 1700500 standard; CDNA; 7918 BP.

DE 1700500 standard; CDNA; 7918 BP.

DE 1700500 standard; CDNA; 7918 BP.

DE 1700500 standard standard; CDNA; 7918 BP.

DE 1700500 standard standard standard; CDNA; 7918 BP.

DE 1700500 standard standard; CDNA; 7918 BP.

DE 1700500 standard; CDNA; CDNA;

Mo971886-A1.

Per Mo97188-A1.

Per Mo97188-A1.

Per Mo97188-A1.

Per Mo97188-A1.

Per Mo9718-A1.

Per Mo9718-A

RESULT 567

10 774811 standard: CDNA, 8060 BP.

1174811 standard: CDNA, 8060 BP.

12 774811

12 FEED-1998 (first enry)

12 FEED-1998 (first enry)

12 FEED-1998 (first enry)

13 Restorius portius radiabactein FOL protein; ENV protein;

14 Restorius portius fundabactein FOL protein;

15 FEED-1998 (first enrorius)

15 FEED-1998 (first enrorius)

16 FEED-1998 (first enrorius)

17 CDS (force *puttive ENV protein*

18 FEED-1996; 10 86-97546.

18 FEED-1996; 10 86-97546.

19 FEED-1996; 10 86-97546.

19 FEED-1996; 10 86-97546.

19 FEED-1996; 10 86-97546.

19 FEED-1996; 10 86-97546.

10 FEED-1996; 10 86-97546.

10 FEED-1996; 10 86-97546.

11 FEED-1996; 10 86-97546.

12 FEED-1996; 10 86-97546.

13 FEED-1996; 10 86-97546.

14 COSTO OSTORIUS PROTEIN FEED-1998 (force ENT Fragment of Partial Force OSTORIUS FEED-1996)

15 FEED-1996; 10 86-97546.

16 FEED-1996; 10 86-97546.

17 FEED-1996; 10 86-97546.

18 FEED-1996; 10 86-97546.

19 FEED-1996; 10 86-97546.

10 FEED-1996; 10 86-97546.

10 FEED-1996; 10 86-97546.

11 FEED-1996; 10 86-97546.

12 FEED-1996; 10 86-97546.

13 FEED-1996; 10 86-97546.

14 FEED-1996; 10 86-97546.

15 FEED-1996; 10 86-97546.

16 FEED-1996; 10 86-97546.

17 FEED-1996; 10 86-97546.

18 FEED-1996; 10 86-97546.

18 FEED-1996; 10 86-97546.

19 FEED-1996; 10 86-97546.

10 FEED-1996; 10 86-97546.

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US-08-887-977-9. rng

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DAM Quantitation (PDQ) on blood monouclear cells, infectivity titration and asseptibility testing on be performed. Unitaristy animal donors without intext porchine retrovital sequences or with a lower copy number of Vial elements could be selected. Sequence 6000 BP: 2333 A: 1959 C; 2012 G; 1856 T;

RESULT 568

IN 709599 standard: DNA: 8196 BP.

IN 70959 standard: DNA: 8196 BP.

IN 70959 standard: DNA: 8196 BP.

IN 70959 standard: SNA: 8196 BP.

IN 70959 standard: SNA: 8195 SNA: 8195 BP.

IN 70959 STANDARD: SNA: 8195 SNA: 81

Query Match 1.3%; Score 14; DB 35; Length 8060;
Best Local Similarity 1000; Pred; No. 3.474-02;
Marches 14; Conservative 0; Minnatches 0; Indels 0: Gaps

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Page 568

cc polypeptide (GAG), polymerase (POL) and envelope (ENY) proteins. These cc proteins can be used to develop vital avecimes, milseen morate, catids cc theorymes and other antiviral agents. They can also be used in compared to the compared

Query Match 1.3%; Score 14; DB 38; Length 8196; Bert Local Similarity 100(0%; Pred 180, 3/76+07); Matches 14; Conservative 0; Minmacches 0; Indels 0;

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Score 15; DB 30; Length 7918; Pred. No. 8.37e+01; 0; Mismatches 0; Indels 0;

Query Match
Best Local Similarity 100.0%;
Matches 15; Conservative 

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Page 570
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The control of the neuropeptide I-15 receptor - for screening for anti-Typerfensive series and sponsate, useful as anti-Obsetty agents.

Anti-Typerfensive series cardioveswellar duras, ecc.

Clank Stateonists and sponsate, useful as anti-Obsetty agents.

From the Fig. 1 4 HPP Engilai.

Clank Fig. 1 4 HPP Engilai.

CR Invest Numer genealer DR molecule (16580) codes for a receptor for the Fig. 1 HPP Engilai.

CR Investigate Fig. 1 HPP Fig. 1 HPP Engilai of the 7 HPP Fig. 1 
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Best Local Similarity 10%, Pred. Ko. 8.178-01;
Matches 15; Conservative 0; Mismatches 0; Gape
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ID NOSS standard; CDRA, 8247 BP.

NO 17-1284-1939 (fifst eatty)
DE SEQUENCE encoding Fitzminal apolitoprotein 8 (apoB).
DE SEQUENCE encoding Fitzminal apolitoprotein purification; sa. OS Homo sapiens Location/Qualifiers
FT signal_peptide 87.1267 approx.
FT met_peptide 188.1247
FT m
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       Page 569
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/note= Binding site for transcription factors
719...799 1 c-MyD. Lyg-1, E47 and E78-1
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/note= Binding site for transcription factors
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Page 573		Page 575
Tue Nov 17 08:55:26 1998 US-08-687-977-9.mg	/*tag* d //tag* d //t	The Nov 17 08:55:26 1998  CC This addresses codes for the protein that specifically binds to the cenhance of the Libba-Geophese and active and college

Tue Nov 17 08:55:26 1998 U8-08-887-977-9.xmg	Tue Nov 17 08:55:26 1998 Us-08-887-977-9.rng	Page 578
Answers of	REGIT STA  ID G02541, STA  ID G02541, STA  ID G02541, STA  ID G02541, STA  ID	
SQ Sequence 8700 BP, 3280 A, 1101 C; 1066 G; 3233 T;  Squery Markot Similarity 100, 00; Percent St. 100 C; 1066 G; 3233 T;  Squery Markot Similarity 100, 00; Percent St. 100 Sp. 10, 1066 G; 3233 T;  Squery Markot Similarity 100, 00; Percent St. 100 Sp. 10, 1064 B. 0, 1064 B.	The Nov 17 06:55:56 1998  FF misc_signal (Abbi= CED	Page 580

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                                                                                  (see also O6475) from a heterogenic virus so the the NAMBHY protein may be expressed by a transformed insect ceni. The expressed protein may be used as an antigen in the generation of anti-NAMBHY attributes. These authorises may be used in a hepatitic of anti-NAMBHY stibodies. Sequence 9391 BP: 1862 A: 7836 C; 7809 G; 1995 T;
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1.3%; Score 14; DB 27; Length 8797;
Bart Local Similarity 100.0%; Pred No. 3.47-40;
Bart Local 14; Conservative 0; Midmatches 0; Gaps
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1.3%; Score 14; DB 6; Length 9391;
Best Local Similarity 100.0%; Pred. No. 3478+02;
Matches 14; Conservative 0; Manatches 0; Indels 0;
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/product* green fluorescent protein
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TD 003859.

AD 003859.

RD 1393 (first entry)

E Reputtis C viva sets.

REPUTL193 (first entry)

REPUTL193 (first entry)

RD 105081118 (Viva sets.

RD 10508118 (Viva sets.

RD 105081193.

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PA MAR-1991; EP-200907.

PA (REDA-1) STICINER PROB.

Billiau AJDA, Vadenbroeck K;

Billiau AJDA, Vadenbroeck K;

BR 1911; 94-1253840.

PA POSSIB 163137.

PT DAN coding for portine interleukin 1-beta - and new recombinant protection interleukin 1-beta useful as growth factor and mannestimalists.

PT DAN coding for portine interleukin 1-beta on the recombinant protection interleukin 1-beta useful as growth factor and protection interleukin-1 beta was contamined (07147). The mature portine in 1-beta polypeptide is useful contamined (07147). The mature portine in 1-beta polypeptide is useful contamined (07147). The mature portine in 1-beta polypeptide is useful contamined (071477). The mature portine in 1-beta polypeptide is useful contamined in 1-beta polypeptide is useful contamined in 1-beta polypeptide is useful contamined in 1-beta was cutoned and immunostimularity esp. vs. as vaccine adularity in 1-beta vs. as an immunostimularity of the polyperide of the polyp
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ESSULT 578

D GG472 standard; CDNA; 9391 BP.

D GG782-1935 (first entry)

DE NABRY ELVEZ spence region?

EN Harborgenic: virue: transformation; inset cell; antigen; anti-TAMBHY ELVEZ protein: con-A, non-B hepatitis Virue:

Non-A, non-B hepatitis Virue: HGY; vaccine; ds.

Non-A, non-B hepatitis Virue:

FR GG Non-A, non-B hepatitis Taylous

FR GG 105-1349

FR GG 105-135

FR GG 105-1349

FR GG 105-135

FR GG 105-
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RESULT, $60

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PR 10004 MI ED. Gooddel D. Lee JR., Matthevs W, Tsai SP;

MODIAL MI ED. Gooddel D. Lee JR., Matthevs W, Tsai SP;

MODIAL MI ED. SESSION,7.

PR Appoint antibodise Which entivate specific protein tyrosine

PR Monals and 19 constant damin, useful for studying, and therapeutic

PR Monals and 19 constant damin, useful for studying, and therapeutic

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PR MANDE 7: MODIA 100-100-100 Were used to amplify plasmid

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Page 582

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Page 586

(NSP) Inst Pasteur(ALIZ/).

Allonn W. Montagaier L. Guetard D, Clavil F, Sonigo P, Guyader M, Allonn W. Montagaier L. Guetard D, Clavil F, Sonigo P, Guyader M, Allonn W. Montagaier L. Guetard D, Clavil F, Sonigo P, Guyader M, Mallon B, Sonigo B, Sonigo J, Strip B, Sonigo J, Strip B, Sonigo B, Strip B, Stri

Query Match 1.3%; Score 14; DB 1; Length 9601; Best Local Similarity 100.0%; Pred. 70.3.474-04. Matches 14; Conservative 0; Himmatches 0; Indels

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RESULT 581
ID 788549 standard; ODRN; 9739 BP.
AC 789549
AC 789549
AC 789549
AC 789549
BE Hammalondeficiency Virus-1 strain MN-PH1 genome.
BE Hammal Immunodeficiency Virus-1 strain MN-PH1 genome.
AC 97146
AC 971

Tue Nov 17 08:55:26 1998

Page 587

US-08-887-977-9. rng

Page 588

gtWES lambda B DNA from total DNA of H9 cells producing HIV-1 (NN) This close was designated Lambda MR-PHI, it was subjoined in Milmph and Milmpile and the DNA sequence of the entire close was obtained. The four 'OTERS' in the sequence represent bases which are profess was effected from this equence the present of the enverse profess was deduced from this equence and the env gene was bossible. That recombinant production of the env proven was consistent and the temperature of the env present was present the profess of the env proven was present the env present present the e 888888888

Query Match 1.3%; Score 14; DB 3; Length 9739; Best Local Similarity 100.0%; Pred. No. 3.478-40; Matches 14; Conservative 0; Himmatches 0; Indels

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RESULT 583

DO14752 standard; DRA; 9746 BP.

OO5-FED-1992 (first entry)

DE HV-116N-5713 ery protein-encoding sequence.

EN Human Immunofelicitency virus; United States; MN isolate; AIDS;

NN menniment of Content virus; United States; MN isolate; AIDS;

NN menniment of Content virus; United States; MN isolate; AIDS;

NN menniment of Content virus; United States; MN isolate; AIDS;

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1.3%; Score 14; DB 3; Length 9746; Query Match

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| New York | State | S

PR (USSN 1095, USD DET HEALTH & HURAN SERVICES)

PA (USSN 102 DET HEALTH & HURAN SERVICES)

PI Franchini G Gallo RC, Gartner S, Lori PC, Markham PD;

PI PROPOVICE, M. Reitz B, 111579.

PR 11579-1011006/01.

PR 11579-1011006/01.

PR 11570-1011006/01.

PR 11570-1011006/01.

PR 11570-1011004 Include a immunogens for Vaccines and antibody prodn., PT requiratens - useful as immunogens for Vaccines and antibody prodn., PT repical of US childred includes.

PR 11570-1011006/01.

PR 11570-10106/01.

PR 11570-1011006/01.

PR 11570-1011006/01.

PR 11570-1011006/01.

PR 11570-1011006/01.

PR 11570-1011006/01.

PR 11570-1

Query Match
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Bet Local Similarity 100:00, Pred. No. 3.478-02;
Matches 14; Conservative 0; Mismatches 0, Gaps

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ESULT 582

D 01/751 standard; DNA; 9739 br.

AC 01/751, standard; DNA; 9739 br.

D 10-5FB-1922 (fixer entry)

D 11-71, standard; DNA; 9739 br.

D 11-71, standard; DNA; 9739 br.

N human immodeficiency virus; Onited States; MN isolate; AIDS;

N human immodeficiency virus; Onited States; MN isolate; AIDS;

N human immodeficiency virus-1 (MN);

N even immodeficiency virus-1 (MN); 

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Page 589
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We feet labolated envelope protein of HIV-1 strain BN-L and recombinant of equivalents setting a setting an estimate setting and entitledy product. Trequivalents entering a immunogens for vaccines and antibody product. Typical of US clinical isolates.

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C. 75850; 97 (first entry)

D. 75850; 97 (first entry)

D. 75850; 97 (first entry)

E. 57460; 97 (first entry)

E. 57460; 97 (first entry)

E. 57460; 97 (first entry)

E. 6740; 98 (first entry)
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/*tag= j /label= Apl binding site/TPA responsive element //label= Apl binding site/TPA responsive

label sis responsive element 62..168

/*tag= k /label= SV40 enhancer region AP4

/ Label = glucocorticoid response element halfsite complement (238..244) /*tag= d /Azbel= trans-activating factor response element 1085..1090

Location/Qualifiers 5085.5807 7 tags a 7 121.115 7 tags b 7 tags b

tag= e abel= xenobiotic responsive element ..85

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tag= g abel= antioxidant response element 121.5032 /*tag= h /label= antioxidant response element complement (251..256)

tag= f abel* metal regulatory element 0..660

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TOTALLY DIRECT DESCRIPTION OF TOTAL DAY BJ, FOLE RJ, Freeman BA; (TREAL) DIRECT DIRECT
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TO TENES Setandard, DNs; 11093 BP.
AN T10853.
TO TANKS:1997 (first entry)
DZ NAN Assatete for ampliability eptide production in milk.
Amphipathic peptide; milk; transpend animal; beta-casein; promoter;
KN Shiva-1; lytic peptide; DNA cassette; disease resistance;
US-08-887-977-9.rng
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RESULT 586

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US-08-887-977-9.zng

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RESULT 588

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In 75035; 97 (dirat entry)

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In Managerie for amplinith transports finese resistance;

In Managerie for amplinith transports finese resistance;

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Fr cata_signal 1766.177

Fr exon 1864.07

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Fr exon 1864.07

Fr exon 1864.07

Fr exon 1865.173

Fr exon 1865.1869

Fr exon 1
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Page 596

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concides a procedul (see Willy) that does as a growth inhibitor of becodes a procedul of the Brazilation of because of an thus be used to great the traying the Brazilation of because and since it is secreted, can be used to treat these cancers and, since it is secreted, can be used to treat these cancers and, since it is secreted, can be used to identify the BRAZI receptor and hence to identify BRAZI or other inscription of our tent in the BRAZI secretor and hence to identify BRAZI or other receptor for one in breast and protein (see WIZISE) have also been characterised, Methods are collisined for the isolation of BRAZI and procedul or the isolation of BRAZI and BRAZI procedure or sporadio overtain cancers using BRAZI and BRAZI procedure and sequence 11281 BP. 4068 A: 1971 C; 2091 C; 2115 Z;
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Query Match 11093; Score 15; DB 27; Length 11093; Bett Local Similarity 1004, Pred. No. 8.37e-01; Indels 0, Gaps Marches 15; Conservative 0; Mismarches 0, Indels 0, Gaps

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Query Match 1.3%; Score 14; DB 35; Length 11283; Best Local Similarity 100,0%; Pred. Ro. 3.76+07. Watches 14; Conservative 0; Mismatches 0; Indels 0;

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D 15. -707-1399 T. 1708-1308 T.
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BRCAL and BRCA2 tumour suppressor gene products - useful to inhibit breast and overlan career cell proth and uncurishments, or treat gene linked headtlany or sporadic overlan or breast cancer Cala 19; Page 72-19; 148pp. English.

Cala 19; Page 77-19; 148pp. English.

RESULT 599

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RESULT 599

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Page 551	
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The Nov 17 08:55:26 1998  Himan breast cancer susceptibility gene BRCA7 - useful for the disposation breast cancer and screening for compounds to treat breast cancer and screening for compounds to treat breast cancer susceptibility gene Cainer and screening for compounds to treat breast cancer should be used in gene Campounds to treat breast cancer should be used in gene Campounds to treat breast cancer should screen for the present sequence it the human breast cancer should speak for the present sequence it the human breast cancer should speak for the present sequence in the human breast cancer should speak for the present sequence in the human breast gene function to a cell which can be used to dispose the present sequence in the sequence function in the speak for the present sequence in the sequence function in the sequence in the sequence function in the sequence function in the sequence in the sequence function in the sequence in the sequence function in the sequence in	Hew 17 08:55:26 1998  The exon (*14.2) 2003. 8084  The con (*14.2) 2.00  The exon (*14.2) 2
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Shewanella putefaciene.

Gostico/Qualifiers

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13% Score 14: DB 24, Length 37895;
Best Local Similarity 10:0% Pred. No. 3.47640;
Best Local Similarity 10:0% Pred. No. 3.47640;
Best Local Similarity 0: Wismatches 0; Indels 0; Gaps
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Bast Loat Similarity 100 09; Pred, 90, 140+01; Marches 14; Conservative 0; Himstothes 0; Indels 0; Gaps Marches
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gene product is homologous to the methyltransferase from Streptomyces happroceptuse that is involved in the synthesis of the polyketide rappamicin*

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"module 3 of SorB" .40114 module 4 of SorB*

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Tue Nov 17 08:55:26 1998
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CC The present sequence is the human polyquetic kidney disease 1 currents of PRDIN 1979FLG MANDAGE MAN
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ö Ouery Match 1.34; Geore 14; DB 40; Length 53526; Best Local Similarity 100:04; Pred No. 3.476+02. Heaches 14; Conserrative 0; Mismatches 0; Indels 0;

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PESGUIA 604

T18551 standard; DNA: 53377 BP.

T18551 standard; DNA: 53377 BP.

DE MEMORY: 1997 (first entry)

DE MEMORY: 199
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10021600/Qualifiers
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/*teg**

CDM identified by exon trapping*
replace(50651.5065). cg)
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Page 624

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Ouery Match

1.38; Score 14, DB 40; Length 53577;

Best Local Similarity 100.09; Perd Rec 3476+02,

Matches 14; Conservative 0; Mismatches 0; Indels 0;

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RESULT 606

A 11655. standard; DNA: 113894 BP.

A CHENT STANDED DNA. 101991 BP.

A CHENT STANDED DNA. 1010 CO.

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A WOOD 1300-A.

B -JAN 1995.

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Page 623

RESULT 603

M. 194401 standard, DNN: 53526 BP.

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M. 194501 standard

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PI Burn TC, Connois TD, Dackowaki W, Germino G, Kiinger KW;
Pi Jandes GM, Joha P;
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0.00 Method 1.3%; Score 14; DB 28; Length 53577; Best Local Similarity 100.0%; Pred. No. 3.479-07; Methors 14; Conservative 0; Mismatches 0; Indels 0; Gaps

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RESULT 605
ID 794108 standard: DNA, 53377 BP.
NO 794109 100 standard: DNA, 5340 standard: DNA, 100 standa

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PR 09-OT-1994; US-258261.

PR (90-OT-1994; US-258261.

PR (90-OT-1996; US-258261.

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PR (90-OT-1

Ouery Match 1.34, Score 14, DB 39, Length 49377, Peet Local Similarity 100.04; Pred No. 3.47-602; Ondersolve 14; Conservative () Mismatches () Indels () Gaps

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RESULT 608

A 00425; studentd; DRA: 134525 BP.

A 00425; studentd; DRA: 134525 BP.

B Total base sequence of rice plant chicroplast DNA.

Corpus astira.

B Total base sequence of rice plant; as.

S Organ astira.

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A CHTT 1886.

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No. 75880 atondard; DNA; 580073 BP.

No. 75880 atondard; DNA; 580073 BP.

No. 75880 atondard; DNA; 580073 BP.

No. 75880 atondard; DNA; 580070 BP.

No. 75880 atondard; DNA; 580070 atondard; Open reading frame; ORF; ss.

No. Mycoplasma genical companion atondard; Open reading frame; ORF; ss.

No. Mycoplasma genical companion atondard; Open reading frame; ORF; ss.

No. Mycoplasma genical companion atondard; Open reading frame; ORF; ss.

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AMPA-70106, the encoded protein shows 41.20
Alable Gentling to glycorol.3-phosphate
dehydrogenase (GUT2) from S. cerevisiae*
49377. 45643
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Pred. No. 3.47e+02;
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ID 713555 standard; DNA; 133894 BP.

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inche *Previously identified as MORP-20078, the encoded protein large 35 percentage identity to the Bacillus subtilis hypothetical GB1056195 in accession number (GB105185 in accession number free overed in accession number free overed in accession number from conceed protein large conceed by the state of the state o
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modification protein 16
modification protein (rims) from Eacherichia
complement (14396..15217)
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There Previously identified as MORF-20092, the
encoded protein shows 45.96 percentage
for it from B. subtilis*
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       US-08-887-977-9.rng
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US-08-887-977-9.zmg
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(decc) from Mycoplasma preumoniae*
complement (6489..6731)
// Mad= M6056
// Mod= "Previously identified as MORF-2012; the
encoded protein alone 30.25 percent
dentify to the protein disclosed in
GB-126565_99 from B. subtilia*
Complement (65713..66249)
// Lab= x
// La

/*ide= kG048
/labe= MG048
/loce= *Perfoundy identified as MORF-19834,
MORF-20114 and MORF-20115, the encoded protein
shows 41.02 percentage identity to aignal
recognition particle protein (fft) from B.
S8117..59079 7/abel # MG049 7/abel # MG049 MG08-2015; the emcoded protein shows 44.78 percentage identity to putine-nucleaside 59083..58734

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notes "Previously identified as MORP-20117, the ncoded protein shows 83.03 percentage dentity to decayribose-phosphate aldolase

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/label- M6077 /label- M6077 corder "Previously identified as MORP-20140, the encoded protein above 28 05 percentage identity to oligopeptide transport system Query Match 1.3%; Score 15; DB 27; Length 580073; Best Local Similarity 100; 08; Pred. Roc. 9.774-01. Watches 15; Conservative 0; Mismatches 0; Indels 0; Note: remainder of annotations omitted. 

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(Nucleotide) WORDSEARCH of: /home/obryen/dra977/olig/us-08-887-977-9 check: 9278 from
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A. thaliana transcribed seque
yz18d11.rl Homo sapiens cDNA
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applicant: gish, kurt c.
applicant: schall, thomas j. . . .
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Release 3.1A John F. Collins, Biocomputing Research Unit. Copyright (c) 1993-1998 University of Edinburgh, U.K. Distribution rights by Oxford Molecular Ltd

n.a. - n.a. database search, using Smith-Waterman algorithm

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Wilson, R. The WashU-Merck EST Project Unpublished (1995) Contact: Wilson RK WashU-Merck EST Project

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RESULT 14 Al148128 576 bp mRNA EST 05-DEC-1996 LECTRO 201A06 11 STRAKAGENE COLON (**937204) RGMO SAPIENS CDRA CLONE SERMINGS, mRNA sequence.

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Tue Nov 17 08:55:30 1998

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house mouse Paramyota, Metaco: Chordeta; Vertebreta; Mammalia: Butheria; Baramyota, Metaco: Chordeta; Vertebreta; Mus. 1 chast accinegath; Muridae; Musa; Mus. 1 chast accinegath; Musa; Mus. 1 chast accinegath; Musa; Mus. Mus. Mus. Mus. Mus. Mus. Mus. T., Geisch, G., Mucaba; T., Lacy, M., Jack., Martin, J., Morris, M.

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RESULT 15 AC107830 785 bp mRNA EST 08-UL-1998
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Primates Catarrhini; Hominidae; Homo.

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NGT-GAB http://www.ncbi.nlm.nlh.gov/ncicgap.

Mational Cancer Institute, Cancer Genome Anatomy Project (CGAP),

Fluore Cene Index
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Tell: (2014 466-1550
Enail: Robert_Struabersythingov
ODM. Library Preparation: W. Bento Scarce, Ph.D., M. Patima
Bonaldo, Ph.D.
Edibary Arrayed by: Greg Lennon, Ph.D.
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1.64, Score 18, DB 27, Length 423,
Best Local Similarity 100.04; Pred No. 1.59e-04,
Matches 18, Conservative 0; Mismatches 0; Indels 0,
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High quality sequence scop: 41s.

Location/Qualities

Location/Qualities

//Organisms=Romo sappins*
//Organisms=Romo sares and M. Fatina Bonaldo.
//Organisms=Romo sares and M. Fatina Bonaldo.
//Organisms=Romo sares and M. Fatina Bonaldo.
//Organisms=Romo sares_Leatia,MFT*
Washington University School of Medicine
444 Forest Park Parkway, Box 8501, St. Louis, NO 63108
745. 134 266 1800
Far: 134 266 180
Far: 134 266 1
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www-bio.llnl.gov/bbzp/image/lmage.html
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Adama, N.D. Roumalay, B.D., Fald, C.E., Bass, S., Linher, K., Sinon, M. and Venter, J. C. Sino, M. and Venter, J. C. Sub, E. Mible, C., Shisuya, H. Berry, K., Granger, D., Sub, E., Wible, C., Shisuya, H. Bullding of a random RAC Pad Sequence Database for Sequence-Ready Map Unpublished (1997)
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1.6*, Score 18, DB 20, Length 415,
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Mitches 18, Conservative 0; Mismatchies 0, Indels 0, Gaps
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LOCATE 20 19-3011.TR CIT-ESP Homo sapiens genomic clone 201111, genomic curvey sequence.
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The Institute foor Genomic Research
9712 Heddical Center Dr., Rockville, MD 20850, USA
Fax: 301 88 9200
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KEYWORDS SOURCE ORGANISM

REFERENCE AUTHORS TITLE

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Not I and directionally closed into the Not I and Hind III sites of the Limid BA vector. Library went through one round of mornalisation. Library constructed by Bento Soares and M.Fatina Home sapiers. Set a constructed by Bento Soares and M.Fatina Bento Soares and M.Fatina Bento-Staplers Finates: Chordsta, Vertebrata; Gnathostomata; Hammalia; Extheria Finates: Catarrinis; Romindes; Romo.

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Best Local Similarity 100.0%; Pred. 10. 1.59-04; Indels 0; Gaps
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115 c 141 g 93
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Query Match
1.6; Score 18; DB 13; Length 429;
Set Local Similarity 100,04; Pred. No. 1.59-04;
Matches 18; Conservative O; Mismatches O; Indels O; Gaps

/lab_host="DHIOB" 133 a 92 c 71 g 133 t

human clone=8855 illatay=content infatte infatt brain iNED vector=infatt Bh human clone=8855 illatay=content infatte i

Page 48

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PEATURES Source

Contact: Robert Strausberg, Ph.D.
Tail (301) 404-128 Strausbergenin.gor
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M.D., Robert-Strausbergenin.gor
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M.D., Ph.D., Robert-Strausbergenin.gor
GNR Library Trepparation: David B. Kitana, Ph.D.
COR Library Arrayed by: Genome Systems Inc., Greg Lennon, Ph.D.
The Sequencing Dy: Rahington Diversity Centems Sequencing Context
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(1997) imono. Bukaryotae, mitochondrial eukaryotes; Metazos; Chordata; Vertebrata; Mammalia; Butheria; Primates; Catarhini; Bominidae; Insert Length: 663 Std Error: 0.00
Seq Primer: -PBID Tarvill Trom Amersham
High quality Sequence stop: 265.
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INACE Consortium (infostanger Lini,gov) for further information.
Location/Qualifiers
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/organism="Romo sapiens" /clone="134724" 109 a 85 c 116 g 155 FEATURES

116 g 155 t BASE COUNT ORIGIN

Omery Match Smilarity 94.7%; Pred No. 1.98-04. Indels 0; Manatches 18; Conservative 0; Mismatches 1; Indels 0;

REGULT 27 AA531233 509 bp mRNA EST 20-AUG-1997 LOCUS 1997 1957e06.41 NCI_CGAP_Pr9 Romo sapiens CDNA clone IAAGE:996130, mRNA ACCESSION ASSI2131 81D 92273939 ACCESSION NID KEYWORDS SOURCE ORGANISM

himan. Farmo sapicna Enkaryotae, mitochondrial enkaryotes; Metasoa; Chordata; Vertebrata; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; lum(bases 1 to 509)
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NGI-GOAD http://www.ncbi.nlm.nih.gov/ncicgap.
Thusor Goac Institute, Cancer Genome Anatomy Project (CGAP).
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cDNA Library Arrayed by: Greg Lennon. Ph. D.
DNA Sequencing by: Washington University Genome Sequencing Center
Clone distribution: NCT-CGAP clone distribution information can be
vereal through the I.H.A.G.E. Consortium/Libra at:

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High quality sequence stop: 43.2.

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Page 56
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Reminger Of Medicine
Reminger Office School of Medicine
Reminger Darks Parkway, Box 6501, St. Louis, MO 63108
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EST 02-0CT-1897
DEFINITION master03.r1 Searce mouse planff3.5 Mus nusculus cDNA clone 318340 5'
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Murinae; Mus.
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Hiller, C. Glark, Dubque, T., Elistoco, K., Barkins, M.,
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Parsone, T., Rikhin, Rominidae; H., Tannon, G., Marzin,
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44 a 51 c 39 g 41
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Page 53
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ORGANISM

REFERENCE AUTHORS

Content: U.K.
S. Park.C. M. Lee, W. R. Cho, B. J. Ahn, M. Y. Lee, M. Y. Ewang, S. W. Jin
Laboratory of Wolf under Biology
Wigungpook National University
Pept. of Cenetic Eng., Kyungpook National Univ., Taegu 702-701,

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ser Local Similarity 100; 04; Pred. No. 8.05e-03; Indels 0; Gaps
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Oppublished (1993)

Contact: Rerlavage AR The Institute for Genomic Research 932 Clopper Road, Gaithersburg, MD 20878 Tel: 3018699056

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REFERENCE AUTHORS

REGEST 36 702045 289 bp mRNA EST 10-NOV-1992 DEFINITION VESTOZYOZYGG CAENOTAADditis elegans CDNA clone CEEST63 similar to ACCESSION 702045

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Page 63

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RESCUE 38 A017132 301 bp mRNA EST 16-JUN-1999 DEFINITION 0734008.11 Soares testie_NFT Homo espiens GDNA clone INAGE:1639191 ACCESSION ADDIAGO ACCESSION NID KEYWORDS SOURCE ORGANISM

Contact: Robert Strausberg, Ph.D.
1: 1301, 960-1550
Email: Robert Strausbergenih, gov
cDM Library Preparation: M. Bento Soares, Ph.D., M. Patina

Page 64

Tue Nov 17 08:55:30 1998

Query Match 1.5%; Score 17; DB 22; Length 296; Best Local Similarity 100 0%; Pred. No. 8 05e-03; Indels Matches 17; Conservative 0; Mismatches 0; Indels  mineman depoins appears the contrary Vertebrata; Mammalia: Eutheria; Periates Catarhini; Boninidae: Bono.
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LOCIS 10-529 karyotae: mirochondrial eukaryotae: Metazoe: Chordata: rebrata: Butheria; Primates; Catarrhini; Hominidae: Homo Thanes 1 to 303) REFERENCE AUTHORS TITLE JOURNAL

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Senexpress_sequence_idt: a2c-lod12;

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Thunc Gener Institute, Cancer Genome Anatomy Project (CGAP).
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Contact: Robert Strausberg, Ph.D.
Tel: (201, 466-152)
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RESULT 42 A332497 317 bp mRNA BST 21-APR-1997 1000 Sapiens CDRA 5' end, mRNA sequence. PETITION ESTISSES MA332497 A332497 A332 human. Nomo sapiens Vertebrata; Mammalia; Butherla; Primates; Chordata; Vertebrata; Mammalia; Butherla; Primates; Catarrhini; Bominidae; REFERENCE AUTHORS

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Page 71

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AA963060 136 bp mRKA EST 18-MAY-1998 UT-8-21-fr-9-08-0-UI.s2 UT-8-21 Additions CDKA chone UT-8-21-fr-9-08-0-UI.3', mRKA sequence. CDKA chone 9313852 RESULT 44
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KEYWORDS.
SOURCE
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discovery Genome Res. 6 (9), 791-806 (1996) 97044477

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Contact: Soare, MB

Program for Rat Gene Discovery and Mapping

University of Your

University of Your

University of Your

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Tel: 131 313 6250

Fax: 119 313 6250

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RESULT 43
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LDGUS 74611184 327 bp mRNA EST 01-077-1997
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individually tagged normalized libraries constructed from 8, 12 and 18 day embryo. The tags is a string of 3-5 nucleotides present between the Not 1 site and the oligo-off rack which allows definitionation of the library of crisps of close within the mixture. The subtracted of library (UT-R-12) was constructed as follows: FOR amplified cDNA inserts from a pool of UT-R-20 clones from which 3 '827s had benederived as leads as driver in a high-diffraction with the UT-R-20 library in the form of single-extraded curcles. The remaining single-stranded circles (abbracted library) was purified by hydroxypatite column chromotography, converted to Mydroxypatite column chromotography, converted to bacteria (Life Tehnologies) to generate the UT-R-12 library. This procedure has been previously described (somation, Lennon and Soares, Genome Research 6: 791-806, 1898).

Page 74

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relatest) with a modified polylinher host-DEIOB (ampicillin relatest) prince 2.7ml; Statesance 18 Harte-Zero Remaie placents obtained at Nith (full Ferm). Let etrand colw was primed Arthon Montrocological Arthon Ferman and the state of the states of the Colw and th
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                                                                                                                                                                                                                      Contact: Robert Strausbergy, Ph.D.
Tel: (301) 466-150.
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NGI-CGAP http://www.nobi.nlm.nih.gov/ncicgap.

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Engaged Construction and Preliminary Analysis of 20,000 Sequence
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Coutact: Mahairas GG, Wallace JG, Bood L.
High Throughpur Sequencing Center
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High Throughpur Sequencing Center
High Courage Arman North, Seattle, WA 98109, USA
Tel: (1706) 616-1618
Tex: (270) 6

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Query Match 1.5%; Score 17; DB 26; Length 353; Best Local Similarity 100 04; Pred Rec. 905e-07; Matches 17; Conservative 0; Mismatches 0; Indels 0;

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The winterleathin Breeptor aminoacid sequence - and corresp. cDNA expressed in Xenopus lawvis coopers or transferred host cells.

The correcting lighted of La Teceptor and gene therapy for an expension of the property of th 232288222222222222

Query Match 2.5; Score 9: DB 7: Length 355; Bast Local Smillarity 100.04; Pred No. 4.48e-02. Matches 9: Conservative 0: Mismatches 9: Indels 0;

Gaps

309 yafiggkfr 317 ||||||||| 307 YAFIGGRFR 315

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M65188 standard; Protein, 356 AA.
19-A2R-1995 (first entry)
Mixide ma-aubtype opicid receptor.
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Extua ratus.
Location/Qualificra
modified_aite 10.12

Location/Qualifiers
//note* Putative W-linked glycosylation site*
//note* Putative W-linked glycosylation site*
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Page 5

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361 seftm 365 |||||| 361 SSFTM 365

RESULT 2

DE 199214 standard; Protein; 350 AA.

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266 yafiggkfr 274 |||||||||||||| 307 YAFIGGKFR 315 g ò

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R48717 standard; Protein; 312 AA.
R48717;

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Query Match
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Db 266 yafiggkfr 274 ||||||||||||||| Qy 307 YAFIGGKFR 315

RESULT 5 ID R33420 standard; Protein; 355 AA. AC R33420;

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24.059296 (first entry)
Proceedings high digitary interleukin-8 receptor subtype B.
Recombinant high digitary interleukin-8 receptor subtype B.
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anaphylaxis; systemic lupus erythomatosus; rheumatoid arthritis;
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NA aystemic necrotising vasculitis; psoriasis; sathma, allergy, ARDS; NA adult respiratory distress syndrome; neutrophil detection.

NA 037251264A.

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Page 12

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Score 9; DB 15; Length 360; Pred. No. 4.48e-02; 0; Mismatches 0; Indels Query Match 2.5%; Best Local Similarity 100.0%; Matches 9; Conservative

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Page 9

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Page 16

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/label= Glycosylation /note= 'N-linked glycosylation site' 11 /label= Glycosylation /note= "N-linked glycosylation site"

/label= Glycosylation /note= "N-linked glycosylation"

Precombinant mammalian interleukin-6 receptor - used for screening interleukin-8 indiging antegorists, used to treat inflammation bisicaire 743 7 71pp English.

Disclosure 743 7 71pp English.

Rabbit Maph afflictly 10- receptor game was isolated from tabbit performed interruphils and used as source 50 polyth+ RMs to complete a reacher neatrophils and used as source 50 polyth+ RMs to complete a reacher neatrophils. This probe was designed based on the complete a receptor in this probe was designed based and the complete forcide (500015). This probe was designed based and the complete force the second transmembrane demain of Correction Coupled receptors. After terriary screening, six pleques were complete force the second transmembrane decined from the FDR close demonstrates that it belongs to the family of Corporation coupled receptors. The deduced protein sequence indicates seven putcher framamed segments. A human complete a seven putcher framamed segments. A human complete a served SDS to the rabbit PRI and with a protein decides a seven patch of the rabbit PRI and a propose seven solides. After terriary screening and a segments. A number of the about the rabbit in 9 probe seven solides. After terriary screening and a sequence (500015) is a sequence (500015). The sabbit PRI and of the rabbit in 9 probe sequence (500015) is a sequence (500015).

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/label= Glycosylation /note= "N-linked glycosylation site" /label* Glycosylation //note* "N-linked glycosylation site*

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PR 27-NO-1995; UDI14.
PR 107-NO-1995; UDI14.
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eaucnors Susuki, H.; Prado, G.N.; Wilkinson, N.; Ravarro, J. O.; Opiurnal J. Bloi. Chem. (1994) 288-1856-18266 etitle The N terminus of interleukin-8 IL-8) receptor confers high ecross-references MUID:94308043

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RESULT 6 ENTRY TITLE ORGANISM

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Gobl. A.E.: Wang, S.; Shou, Y.; Ochery, K. aubmitted to the EMBL Data Library, Pebruary 1994 Molecular cloning of the rat LLS receptor. 847096

imolecule_Type DRA
residues 1-359 #1abcl CER decree 1-359 #25094
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Prado, G. H.; Thomas, K. M.; Suruki, H.; LaRosa, G.J.;
Wilkinson, M.; Polco, E.; Navarro, J.
No. Biol. Chem. (1994) 299-12394
Molecular characterization of a novel rabbit interleukin-8
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The DNA sequence of equine herpesvirus 2.
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Wester, C.A. Heger, A. Bameth, A. Bacon, K.B.; Boogewerf, A.J.; Proudfoot, A.E.I.; Wells, T.B.C. Bacon, K.B.; Googewerf, S. Bold, Chem. (1995) 2701.2495518000 Molecular cloning and functional expression of a novel CC Molecular cloning and functional expression of a novel CC A57160

Saccession

*formal_name Homo aaplens *common_name man 10-Nev-1995 *sequence_revision 10-Nev-1995 *text_change 15-Aug-1997 A57160

A57160 etype complete chemokine (C-C) receptor 4 - human C-C CKR-4

RESULT 3
ENTRY
TITLE
ALTERNATE_NAMES
ORGANISM
DATE

ACCESSIONS REFERENCE *Authors *journal

#Replectie_Type nBNs #Fredsetter 1-33 ##label RIM #Cross-references BREL#88739 US seperation of protein-coupled receptor; transmembrane protein #length 333 *molecular-weight 3939 *checksum 5503

Owery Match 3.0%; Score 11; DB 2; Length 353; Best Local Similarity 100.0%; Pred No. 1.13ce 9; Indels 0; Gaps Matches 11; Conservative 0; Mimmatches 0 Indels 0; Gaps

87 LFVLTLPFWAV 97 OY 85 LPVLTLPFWAV 95

Signey Tailand, J.; Xin, W.; Sweetnam, P.; Saljoh, K.; Neetler, B.; Dubland, R.S.
Woll. Pharmacol. (1991) 40:869-875
Squence and expression of a neuropeptide I receptor CDNA 52878)

228787 type complete neuropeptide Typeptide II receptor I3 - bowine formal name Bos prinagenius taurus scommon_name cettle 16-per-1993 sequence_revision 17-Apr-1993 stext_change 828787

RESULT 2 ENTRY TITLE ORGANISM DATE

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Query Match 2.7; Score 10; DB 2; Length 383; Beat Local Similarity 100.08; Pred. No. 2.586-06; Matches 10; Conservative 0; Mismatches 0; Indels Matches 10; Conservative 0; Mismatches 0; Indels

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Leging 1, Cacalano, G.; Camerato, T.; Toy, K.; Moore, M.W.; fournal manufacture (MCDIP-149812)

fournal memoral (1955) 155.2159-2164

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Boogeverf, A.J.: Black, D.; Proudfoot, A.E.I.; Wells, T.N.C.; Biothern Biophys. Res. Commun. (1996) 218:337-343 Moternlar closing of markine CC CRR-4 and high affinity and high affinity of chambitness to marine and human CC CRR-4.

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Onery Match 2.5% Score 9, DB 2, Length 160; Dest Local Similarity 100% Pred, No. 3:90e-04; Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps

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Sprenger, H.; Lloyd, A.R.; Lautens, L.L.; Bonner, T.I.; Kelvin, D., J. Biol. Chem. (1994) 269:11005-11072 Structure, genomic organization, and expression of the human Structure, genomic organization, and expression of the human A53611 **Sourca Murry, P.M.; Tiffany, H.L.
sjournal Science (1991) 253:1280-1283
**title Cloining of Complementary DNA encoding a functional human
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**Recession A199***(**1) **Proceeding a functional human
across-references WGID:9136820
**Recession A199**(**1) *accession **status REFERENCE *authors *journal *title *journal *title

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Matches 9; Conservative 0; Mismatches 0, Caps Db 314 TAPIGORPR 322
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555031 551216 RESULT 10 ENTRY TITLE ORGANISM DATE

Expression of two variants of the human mu opioid receptor mRNA in SK-R-SH cells and human mu opioid receptor SSNAIN SK-R-SH cells and human brain. **Raccession 56559]
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Page 14

-Lile Complementary DRA cloning of a mu-opioid receptor from rat errease-references MID:95251654 escreesion 152314 mars.

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Page 13

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**Seathors Wang, J. Brock. Acad. Sci. U.S.A. (1993) 90:10230-10334 910urnal Proc. Wang, M. Acad. Sci. U.S.A. (1993) 90:10230-10334 910-1034053137 Screening and expression.

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RESULT 12 ENTRY TITLE ORGANISM DATE

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fformal_name Fattus norvegicus *common_name Norway rat
26-701-1996 *sequence_revision 26-701-1996 *text_change
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ACCESSIONS REFERENCE *authors

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Best Local Similarity 100.0%; Pred. No. 3.90e-04;
Matches 9; Conservative 0; Mismatches 0. Indels 0; Gaps

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T.R.; Lan, A., T.P.; Peans, C.J.
T.R.; Lan, A., T.P.; Peans, C.J.
T.B.O.; Characteritation of the murine mu opical receptor gene.
A75320 ACCESSIONS REFERENCE *authors

Page 15

ranslated from GB/EMBL/DDBJ

MON-1, 213/1, 386/3 9/72, 213/1, 386/3 Alternative splicing, o protein-coupled receptor; elyoprotein transmembrane protein length 398 woolecular-weight 44421 wchecksum 8164 GENETICS #gene #introns KEYWORDS SUMMARY

Query Match 2.5%; Score 9; DB 2; Length 198;
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Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps

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Release 3.1A John F. Collins, Biocomputing Research Unit. Copyright (c) 1939-1998 Universaty of Edihuwsh, U. K. Copyright (c) 1939-1998 Universaty of Edihuwsh, U. K. Distribution rights by Oxford Molecular Ltd

MPsrch_pp protein - protein database search, using Smith-Waterman algorithm

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2 (POTENTIAL).
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AND RANTES. AND SUBSECURATY TRANSBOURCE A SIGNAL BY INCREASING THE
C. STREAMLINE LOCATION RETERINGTER A. RESOURCE A. SIGNAL BY INCREASING THE
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R. G-PROSITE; PRODIALD REMETHOR. COUPLED REMETHIN.)
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171 STEVPNORTHYGGSVCERKYCTSEPTRALLAGGLELLAGFFIPLAFAFTKY 330
172 SSTEVPNORTHYGGSVCERKYCTSEPTRALLAGGLELLAGFFIPLAFAFTKY 330
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86.34, Score 315; DB 1, Length 369;

Best Local Similarity 100.04; Pred No. 0.00+0; Indels 0; Gaps
Marches 0, Indels 0; Gaps
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DISULPID 110 187 BY SIMILARITY.
SEQUENCE 353 AA; 39938 MM; 03D8F100 CRC32;
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HICH APPINITI INTERLEUKIN-8 RECEPTOR B (IL-8R B) (CXCR-2) (GRO/MGSA RECEPTOR).
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307 YAFIGGXFR 315
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TO 1139-14 ACM

10 101-15 (REL. 15, CREATED)

TO 1-1907-1997 (REL. 15, LEST SEQUENCE UPDATE)

TO 2-10-1907-1997 (REL. 15, LEST SEQUENCE UPDATE)

TO 2-1907-1997 (REL. 15, LEST SEQUENCE UPDATE)

TO 2-1907-1997 (REL. 15, LEST SEQUENCE UPDATE)

TO 3-1907-1997 (REL
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Pred. No. 4.77e-05;
0; Mismatches 0; Indels
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OSITE; PSO0237; G_PROTEIN_RECEPTOR; 1.
PROTEIN COUPLED RECEPTOR; TRANSMEMBARS; GLICOPROTEIN;
                    EXTRACELLUIAR (POTENTIAL)
3 (POTENTIAL)
CTIOPLASMIC (POTENTIAL)
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10 1168_MOUZE STANDAND; PRE; 359 AA.
AC P35343;
10 1-JW9-1394 (REI. 39, CREATED)
DT 01-JW9-1394 (REI. 39, LAST SEQUENCE UPDATE)
DT 01-ROV-1997 (REI. 35, LAST ANNOTATION UDDATE)
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117 194 E
358 AA; 40632 NW;
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Best Local Similarity 100.0%;
Matches 9; Conservative
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307 YAFIGGKFR 315
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CARBOHYD
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SEQUENCE
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PROSITE; PSO0237; G_PROTEIN_RECEPTOR; 1. G-PROTEIN COUPLED RECEPTOR; TRANSMEMBRANE; GLICOPROTEIN EXTRACELLULAR (POTENTIAL).

2 (POTENTIAL). EXTRACELLUIAR (POTENTIAL). (POTENTIAL) (POTENTIAL)

6 (POTENTIAL).
EXTRACELULAR, (POTENTIAL).
CYPOTENTIAL).
CYTOPLASHIC (POTENTIAL).
POTENTIAL.
POTENTIAL. EXTRACELLUIAR (POTENTIAL). 5 (POTENTIAL). CTTOPIASMIC (POTENTIAL). (POTENTIAL) 353 353 353 353 353 353 AA; B592FE64 CRC32;

g

0; Indels Query Match

2.5%; Score 9; DB 1: Length 353;
Best Local Similarity 100.0%; Pred. No. 4.776-05;
Matches 9; Conservative 0; Mismatches 0; Indels
Matches 9; Conservative 0

PRT; 358 AA. STANDARD;

0.-UN-1994 (REL. 29, CREATED) 0.-UN-1994 (REL. 29, LAST EXPLORE UPDATE) 10.-UN-1997 (REL. 35, LAST ANNOTATION UPDATE) HIGH AFFINITI INTERLEULIN-8 RECEPTOR B (IL-8R B) (CXCR-2) (GRO/MSSA

RECEPOR CKRZ. OBECORAGUS GUNDACIOLUS (RABBIT). SIGNATORS: HETRAKOS, CHORDAR: YERIEBRATA; TETRAPODA: MAMALIA; EUTHERIA; LAGOMORPEA.

SEQUENCE PROM N.A. STRAIN-ALBINO: TISSUE-BLOOD;

MEDLINE; 94230294.
MEDLINE; 94230294.
MININSON N.C., POLCO E. N. WILKINSON N.C., POLCO E., WAYARRO J.;

US-08-887-977-10.rsp

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REB OR CXCR2 OR CMEAR2 OR GPCRIS. S MUSCULUS (MOUSE). KARTOTA: MCTAGOS: CHORDATA: VERTEBRATA; TETRAPODA: MAMMALIA; TERRATA: RODENTIA.

TOTALIRE, 5850766, BOZIC C.R., GERAND N.P., VON UEXKULL-GUIDENBAND C., KOLAKOWEKI L.P. JR., CONKLIN M.J., BRESION R., SHOWELL H.J., STAND C.; BERN 269:139155-29358(1994).

DEGENCE FROM N.A. STRAIN-129/507; MED.DR: 95/8183 A.T. IDRIGHOL . ISS:1256-2166(1995).

SÉCUENCE PROM N.A. PEDLINE: 9425256. HRANDA X. KINO. K. NOMERA H., MUTAIDA N., MURAKAMI S., MAISUSHIMA K.. GENE 147:297-300(1994).

MEDILIE: TH., CHEN Y., CILBERT D.J., MOORE R.J., TU L., SINON N.I.,
MEDILIE: T.N., CHEN Y., CILBERT D.J., MOORE R.J., TU L., SINON N.I.,
MILLIE T.N., CHEN Y., CILBERT D.J., MOORE R.J., TU L., SINON N.I.,
CERONICS. 18:175-184(1991).

GENORICS. 18:175-184(1991).

RUTHOPHILE CHENTACHT PARCON BEDIDING OF 11:8 TO THE PREPROR

GAUSE ACTIVATION OF NEUTROPHILE. THIS RESPONSE IS MEDILATED VIA A

GAUSE ACTIVATION OF NEUTROPHILE. THIS RESPONSE IS MEDILATED VIA A

MEDILATE. THIS RECEPTOR BITDS TO IL-8 WITH A HIGH APPRINT

- SUPELLUAR LOCATION INTEGRAL MEDILAND PROPERTY

-- SUPELLUAR LOCATION INTEGRAL MEDILAND PROPERTY

-- STHILARITY BELONGS TO PAMILY 1 OF G-PROPERTY COUPLED RECEPTORS.

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BÖDENKE FROM 11. STORILD-WISTRA: FISSUE-LIVER: ROWISSHE K. BEHEAR F., WATHANDE K., TSURUFUJI S., NAKAGAWA H., GURAKITED (JUL-1995) TO EMBL/GENBANK/DDBJ DATA BAHKS.

GOBL A.E., WANG S., ZHOU Y., OFBERG K.; SUBMITTED (FEB-1994) TO EMBL/GENBANK/DDBJ DATA BANKS

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DR CRED COT. (1989) - C. (1988) - C. (1988
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0; Indels Query Match 2.5%; Score 9; DB 1; Length 359; Best Local Similarity 100:04; Pred. No. 4.776-05; Best Locales 9; Conservative 0; Mismatches 0; Indels

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313 YAFIGGKFR 321 |||||||||| 307 YAFIGGKFR 315 გ

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SEQUENCE PROM N.A.
STRAIN-SPRAGUE-DANLEY; TISSUE-LUNG;
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ö Query Match 25% Score 9; DB 1; Length 159; Best Local Similarity 100:0%; Pred. No. 4.776-05; Best Locales 9; Conservative 0; Mismatches 0; Indels Mismatches 0.

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CANACTENATION

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ENDINE: 9335567:

LEE J. RORER N. S. C. C. BENNETT G.L., CAMERATO T., WOOD W.L.;

J. BIOCOMM. 26: 15283-1529178

J. BIOCOMM. 26: 15283-1529178

NEUTROPHILS CHEMOTACTIC PACTOR. BINDING OF IL-8 TO THE RECEPTOR

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CAUGES ACTIVATION OF NEUTROPHILS. THIS RESPONSE IS MEDIATED VIA A C-PROTEIN THAT ACTIVATE A PROGRAMMURPLIANSONIO—ALCINE SECOND MESSAGES STREAM "HIS RECEPTOR BIRDS TO L.e WITH A HIGH AFFINITY CONTRACT AND TO GROWNOOD MESSAGES AND NEW STREAM "HIS RECEPTOR BIRDS TO L.e WITH A HIGH AFFINITY CONTRACT AND TO GROWNOOD MESSAGES AND NEW STREAM "HIS ACCOUNTS. THE A HIGH AFFINITY CONTRACT AND THE ACCOUNTS AND THE A HIGH AFFINITY CONTRACT AND THE A HIGH A

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Query Match 25% Score 9: DB 1; Length 360; Best Local Similarity 100.0%; Pred 100.4.77e-05; Mostre Matches 9; Conservative 0; Mismatches 0; Indels

RESULT 10 ID CKR4_MOUSE AC P51680;

PRT; STANDARD;

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Page 18
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Page 17
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RESULT 11

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TESCUP-BRAIN
MEDILHE: 94053137
PROC. NETL. KAD. SCI. 07.5A. 90.10330-10234(1993).
                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match

2.5%; Score 9; DB 1; Length 360;
Best Local Similarity 100.0%; Pred. No. 4,778-05;
Matches 9; Conservative 0; Mismatches 0; Indels
Matches 9; Conservative 0
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              T 181 181 E > Q (IN REF. 2).
T 205 205 B > D (IN REF. 2).
T 241 241 W > C (IN REF. 2).
T 246 G > A (IN REF. 2).
T 293 293 293 C > A (IN REF. 2).
T 311 P > S (IN REF. 2).
E 360 AA: 41462 MH; 5809A122 CRC32.
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TROLITE: 93441493.
CHEM Y. MESTER A., LIU J., HURLEY J.A., TU L.;
MOL. PHARMACOL. 44:8-12(1993).
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BIOCHEM. BIOPHS. RES. COMMON. 218.337-344(1996).
                                                                                                                                                                                                                                          MUS MOSCULUS (MOUSE).
MUS MOSCULUS (MOUSE).
CEUTARIOTA: RODERTAA.
01-007-1996 (REL. 34, CREATED)
01-007-1996 (REL. 34, LAST SEQUENCE UPDATE)
01-007-1996 (REL. 34, LAST ANNOTATION UPDATE)
0-00 TRANSPORTION TYPE 4 (C-C CRE-4) (CCCRE-4).
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STRAIN-SPRAGUE-DAWLEY; TISSUE-BRAIN; BURZOW J.R., GRANDI D.K., KELLY M.;

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Page 20

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POTENTIAL.
POTENTIAL.
P > G (IN REP. 6).
V > I (IN REP. 3 AND 4).
LENLE -> KIVLE (IN REF. 7).
W; 2C21013D CRC32;
                  CTOTALLAND.

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EXPRESELVILA.

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PALHATTA.

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2.5%, Score 9; DB 1; Length 398;
Best Local Similarity 100.0%; Pred. No. 4.77e-05;
Matches 9; Conservative 0; Mismatches 0; Indels

Db 330 CLNPVLYAF 338 |||||||||||||||||Qy 301 CLNPVLYAF 309

[1] SEQUENCE FROM N.A. SEQUENCE TESSURE TESSUR BSULT 12

D OPER_MUSE STANDAED; PRI; 398 AA.

D OVER_MUSE STANDAED; PRI; 398 AA.

T O1-NOV-1995 (REL. 32, CREATED)

T O1-NOV-1995 (REL. 32, LAST SEQUENCE UPDATE)

T O1-NOV-1997 (REL. 35, LAST ASSOCIATION UPDATE)

E NOT-1996 OPER OR NO.

POSPERIO ROPER OR NO.

S MOS MUSCULUS (MOUSE).

E DETAURCHYL METARON, CHORDAIN, VERTERRATA; IETRAPODA; NAME

C STHERMIN, RODSETIA.

LINE; 95377399. SI G.C., PAN Y.X., BROWN G.P., PASTERNAK G.W. S. LETT. 369:192-196(1995).

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SIMILARITY. -> I (IN REF. 2). -> T (IN REF. 2).

US-08-887-977-10.rsp

Tue Nov 17 08:55:22 1998

UDRACE FROM N.A. N.TH.=SPRAGUE: DAWLEY; IISSUE-OLFACTORY BULB; N.THES ACC. ANNISOR A. AKIL H., WATSON S.J.; PROM 11:803-913(1993).

SUBMITTED (SEP-1993) TO EMBL/GENBANK/DDBJ DATA BANKS.

SEQUENCE FROM N.A.

SEQUENCE FROM N.A.

HEDLINE; 94246390.

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SEQUENCE: TO EDREE R., NGITEN T., CHENG R., TSATGOS J.,

J. NEUROCHEN. 62:2099-2105(1994).

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STRAIGHES FROM M. STRAIGHEALDS, STRAIGHEALDS, STRAIGHEALDS, STRAIGHEALDS, STRAIGHEAL SEARCH B., MATCH D.E., ANTON B., TIAN J., MAGENDEO K., NEWANN D., TRAN T., LEE D.S., WEN C., XIA Y., LUSIS A.J.,

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STANDARD;
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TAYANG C. J.;

TAYANG

ROTEIN_RECEPTOR; 1. EPTOR; TRANSMEMBRANE; GLYCOPROTEIN; PROTEIN; PALMITATE.

RACELLUIAR (POTENTIAL). OPLASHIC (POTENTIAL). POTENTIAL). FRACELLUIAR (POTENTIAL). POTENTIAL). OPLASHIC. . POTENTIAL).

(POTENTIAL).

AR (POTENTIAL). RENTIAL). (POTENTIAL).

SIMILARITY.

SEQUENCE PROM N.A.

HEDLINE, SHISPS-RAIN. HEDLINE, SHISPS-RAINSON P.S., PERSICO A.M., HAWKINS A.L., GRIFFIN C.A., HEL. C. P., JOHNSON P.S., PERSICO A.M., HAWKINS A.L., GRIFFIN C.A.,

HL G.R.; EBS LETT. 338:217-222(1994).

P SECURICE FROM N.A.

A CRESCRAMAN A. TO L. S. CAMPBELL A., TIAN M.,

A CRESCRAMAN A. TO L. S. CAMPBELL A., TIAN M.,

A CRESCRAMAN A. TO L. S. CAMPBELL A. TIAN M.,

CREWITTED (XXX-1994) TO BEDELIGERARE/DOBD A.M. BARKS.

L. STERMITTED (XXX-1994) TO BEDELIGERARE BARKS.

C. I. STRUCKLULIN S. THEREASING POTASSIUM ION CONDUCTANCE. RECEPTOR

POR BETA. ENDORPHIN.

C. STRUCKLULIN S. LOLYTON : INTEGRAL MEMBRANE PROTEIN

C. STRUCKLULINITY: BELOWES TO PAMILY 1 OF G-PROTEIN COUPLED RECEPTORS.

R. PEBLI, LISTING, 4645073;

R. REMI, LISTING, 4645073;

R. REMI, A. STRUCKLULINI S. CAMPBER S.

B. PALMITATE
EXTRACELLUIAR (POTENTIAL).
1 (POTENTIAL).
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2 (POTENTIAL).
EXTRACELUIAR (POTENTIAL).
3 (POTENTIAL).
9 (POTENTIAL). 00137; G_PROTEIN_RECEPTOR; 1. OUPLED RECEPTOR; TRANSMEMBRANE; GLYCOPROTEIN; TION; LIPOPROTEIN; PALMITATE.

4 (POTENTIAL). EXTRACELLUIAR (POTENTIAL) (POTENTIAL)

Gaps

Query Match 2.5%; Score 9; DB 1; Length 399; Best Local Similarity 100;0%; Pred. Ro. 4.776-05; Matches 9; Conservative 0; Mismatches 0; Indels Matches 9; Conservative 0; June 18

C -> W (IN REP. 3). C0211489 CRC32;

38 PO 46 PO 22 C 44421 MW;

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Page 24

EXTRACELLUIAR (POTENTIAL) 2 (POTENTIAL). EXTRACELLUIAR (POTENTIAL) 3 (POTENTIAL). (POTENTIAL). (POTENTIAL).

CTTOPLASMIC (POTENTIAL).
6 (POTENTIAL).
EXTRACELLUIAR (POTENTIAL). ENTIAL). ELLULAR (POTENTIAL)

SIMILARITY.
GITATE (POTENTIAL). CARBOHTD CARBOHTD CARBOHTD CARBOHTD CARBOHTD CARBOHTD SEQUENCE

0; Indels

Query Match 2.5%; Score 9; DB 1. Length 400; Best Local Similarity 100.0%; Pred. No. 4.776-05; Matches 9; Conservative 0; Mismatches 0; Indela

332 CLNPVLYAF 340 ||||||||| 301 CLNPVLYAF 309

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6 (POTENTIAL).
EXTROCELLICING (POTENTIAL).
7 (POTENTIAL).
GYTOPLASHIC (POTENTIAL).
BY SHILLAND.
PALMITATE (POTENTIAL).

Page 23

Query Match 2.5%; Score 9; DB 1; Length 401; Best Local Smilarity 100:09; Pred. No. 4.776-05; Matches 9; Conservative 0; Mismatches 0; Indels

Db 333 CLMPVLYAF 341
Qy 301 CLMPVLYAF 309

TILER-CORGO STANDARD; PRT; 353 AA.
0244221.
021-ROY-1997 (REL. 35, LAST SEGUENCE UPDATE)
01-ROY-1997 (REL. 35, LAST ANNOWATION UPDATE)
01-ROY-1997 (REL. 35, LAST ANNOWATION UPDATE)
HIGH SPHINT IMPELICATALS RECEPTOR B (IL-SR B) (CKCR-2) (FRAGMERT)
GORILLA CORILLA (LOWIAND CORILLA).
GORILLA CORILLA CORILLA (LOWIAND CORILLA).
FORMATION, PRIMATES.

ACHAREA V. GONZAL, SETIEN P., GONZALEZ S., GONZALEZ-ROCES S., LOPEZ-LARREA C.: INCUMCENETICS 43:251-257(1995). II- FONCTION: RECEPTOR TO INTERLEGATIN-8, WHICH IS A POWERPUL

SECURICE FROM N.A.,

TATSOFC-CREASAL, CORTEX;

PATASOFC-CREASAL, CORTEX;

PATASOFCH N.P., OSTINGI N.A., BROWN D.R., MURTNOGH N.P.;

SUBMITTED (NOV-1995) TO DEMI_CREANIATIONED ANTA BARRA

- PROSTON: MATHERITS NUMBERSHIPTER RELEASE BY REDUCTING CALCIUM

TON CURRENTS AND INCREASING POTASSIUM ION CONDUCTANCE. RECEPTOR

SIS SCROFA (PIG). BURARTOTA, HETAKOA, CHORDATA, VERTEBRATA; TETRAPODA; MAMMALIA; ETHERIA, ARTIODACITIA.

ELULIAR LOCATION: INTEGRAL MEMBRANE PROTEIN. MARITT: ELECAGES TO PAMILE 1 OF G-PROTEIN COUPLED RECEPTORS, 1848; 51553057; -.

PROTEIN RECEPTOR; 1. BCEPTOR; TRANSMEMBRANE; GLYCOPROTEIN POPROTEIN; PALMITATE.

RESULT.

DO SPIRE JA

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DO SPIRE JA

DO 11-807-1997 (REL. 15. CREATED)

DO 11-807-1997 (REL. 15. LAST REQUENCE DEDAITE)

ON DERAIL TYPE OFFICIAL SECRETOR (MOR-1).

ON STREAM PRIORICAL SECRETOR (MOR-1).

DO SPIRE JAN STRINGAL CROUNTAL, VENTERBAIAL, TETRAM OFFICIAL SECRETOR NATIONAL TRANSPORTER NATIONAL TRANSPORTER.

RESULTANT ON THE PROPERTY AND THE RELAKES TO THE SECRETOR TO SECRETOR SECRETO

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NEUTROPHILS CHEMOTACTIC FACTOR. BINDING OF IL-6 TO THE RECEPTOR CARGES ACTIVATION OF NEUTROPHILS. THES RESPONSE IS REDALIED VILA A GENERAL THAI ACTIVATE A PROSPEALIDILINGSITOM-CALCIUM SECOND HESSENGER SYSTEM. THES RECEPTOR BINDS TO IL-8 WITH A HIGH AFFIRITY SHOCKNOWS AND NAP-2 ALSO WITH A HIGH AFFIRITY SHOCKNOWS TO FINESRAL REMEMBER PROTEIN.
SHULLARITY: BELONGS TO FAMIL 1 OF G-PROTEIN COUPLED RECEPTORS.
SITE. PRODIST; C. PROTEIN BECEPTORS: 1.
PROTEIN COUPLED RECEPTORS: 1.
PROTEIN COUPLED RECEPTORS: 1.
PROTEIN COUPLED RECEPTORS: 1.
                                                                                                                                                                                                                         EXTRACELLILAR (POTENTIAL).
1 (POTENTIAL).
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Ouery Match 2.2%; Score 8: DB 1; Length 353; Bet Local Similarity 100:0%; Pred. 80. 9.03s-03; Matches 9; Conservative 0; Mismatches 0; Indels DB 311 TAFIGOR 318

17 307 TAFIGOR 314

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Search completed: Mon Nov 16 10:35:11 1998 Job time : 32 secs.

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TOTOSTONIS CONCESSORI (WHITE STOCKER). EIRARTOTA, METALOA; CHORDATA; VERIEBRATA; PISCES; GRATHOSTOMATA; OSIEICHTES; ACTINOPTERFOII; CYPRINIPORES.

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Page 5

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Q. 7%; Score 10; DB 14; Length 383; Best Local Smilarity 100:04; Pred. No. 2.74e-07; Maches 10; Conservative 0; Mismatches 0; Indels 0;
Query Match 3.0%; Score 11; DB 13; Length 185; Best Local Similarity 100.0%; Pred. Ro. 5.75-10; Metches 11; Conservative 0; Mismatches 0; Indels 0;
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10 043124 PRELIMINARY; PRT; 383 AA.
AC 043124
AC 043124 (TREMBLERE. 05, CREATED)
DT 0.1-3N4-1998 (TREMBLERE. 05, LAST SEQUENCE UPDATE)
DT 0.1-06-1999 (TREMBLERE. 07, LAST ANNOTATION UPDATE)
DE 90-09-0012 (SECRET
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Opery Match 2.2%; Score 8; DB 13; Length 373; See Local Similarity 100%; Pred. No. 1.306-02; Mitches 8; Conservative 0; Mitches 6; Indels 0;

66 GLLGNILV 73 | | | | | | | | | | 51 GLLGNILV 58 š 셤

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SOURCE FROM H.A.
HUNGELL : BERGUND H.M., STARBACK P., SALANECK E., GEHLERT D.R.,
LARRANGE : BERGUND H.M., STARBACK P., SALANECK E., GEHLERT D.R.,
DAW, CELL BIOL. 16:1357-1363(1997).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            PROCHTDANO RRIO (ZEBARICH) (ZEBA DANO).
STRANTOA, HETALOA: CHORDIA, VERTEBRATA PISCES; GRATHOSTOMIA:
SOSTELCHITES, ACTINOTERICLI; CTPRINIPONES.
RESULT.

O) 1737

D) PRELIMINARY, PRT. 317 AA.

O) 17313.

D) O1-MC-1998 (TREMBLEEL. O', CREATED)

D) O1-MC-1998 (TREMBLEEL. O', LAST SEQUENCE UPDATE)

D) O1-MC-1998 (TREMBLEEL. O', LAST SEQUENCE OF USERS)

ENTRY.

CENTRAL OF CREATER OF THE CENTRAL OF THE CASE OF USERS OF USE
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RESULT 5

M. 04444

M. 044 Query Match 2.2%; Score 8; DB 13; Length 368; Best Local Similarity 100,0%; Pred. No. 1.30e-02; Maches 6; Conservative 0; Mismatches 0; Indels 0; Gaps DARLISON M. G., HANVER R. J., GRETEN P. R., KREIENKAAD H. J., EWIERS H.,
DARLISON M. G., HANVER R. J., GRETEN P. R., KREIENKAAD H. J., EWIERS H.,
FLORING M., LANDRAS N. PREGRAMM FORD BATA BANKS.

- GROELLAND M. LESSION: INTERNAL MEERIAMS PROTEIN (BY SIMILARITY).
PROSITE PROGRAM ELSESION: LANDRAS REPORT CAPACITY CAPACITY OF PROSITE PROGRAM RECEPORS, ITANSMERRANS. GLYCOPROTEIN.

G-PROTEIN COUPLED RECEPORS, ITANSMERRANS. GLYCOPROTEIN.

SEQUENCE 1913 AA., 431212 MM; 008BDCED CRC31; Query Match 2.5%; Score 9; DB 11; Length 183; Best Local Statistity 100; 09; Prefet No. 6: 486-05; Matches 9; Conservative 0; Mismacches 0; Indels 0; Gaps LAIDEMEER FROM N.A. 2D., CUNHINGEM C., SECONBES C.J.; 200 J., NANIELS C.B., CUNHINGEM C., SECONBES C.J.; STEMITTED (NOV-1997) TO ENEL/GENBANK,DEBJ DATA BANKS, EMEL, ANOSISS, 12193478; PRAK, PROGOSI, 7tm_1.4523 MN; SEDSOBE CRC32; Db 326 CLNPVLYAP 334
Qy 301 CLNPVLYAP 309 

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Query Match 2.2%; Score 8; DB 13; Length 377; Best Local Similarity 100.0%; Pred No. 1.300-0.2; Indels 0; Caps Matches 8; Conservative 0; Mismatches 0; Indels 0; Caps
                                                                                                                                                                                                                                                                                                                                        Query Match 2.2%; Score 9; DB 14; Length 377; Best Local Similarity 100.0%; Pred. No. 1.30e-02; Marches 9; Manarches 9; Indels 0; Marmatches 9; Conservative 0; Minmatches 0; Indels 0;
DR EMBL; AP037400; G3098346; ..
KW NEUROPEPIIDE.
SQ SEQUENCE 377 AA; 42901 MM; AB1BD43A CRC32;
                                                                                  55 LGLLGNIL 62
||||||||
50 LGLLGNIL 57
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PESULT 9 PRELIMINARY, PRT: 3345 AA.
AC 046074,
DT 01-070-1998 (TREMBLEEL, 06, CERATED)
DT 01-070-1998 (TREMBLEEL, 06, LAST ANNOTATION UPDATE)
DC 050110 1088 (TREMBLEEL, 06, LAST ANNOTATION UPDATE)
COSTID 1088 (ACCOUNT OF TREMBLEEL, 06, LAST ANNOTATION UPDATE)
COSTUMENTORY, METAKODA, TREMBLEEL, 06, LAST ANNOTATION UPDATEN.
CC UTGARGOTA, METAKODA, METHROPODA, LISBERTA, DIFFERNA. 302 LNPVLYAF 309 |||||||| 302 LNPVLYAF 309

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RA 12, SECURIACE FROM N.A.

RA WILLSON R., AINSCORDER N., ANDERSON K., BANNES C., BERKE M., BONFIELD J.,

RA WILLSON R., AINSCORDER N., ANDERSON K., THILDS M., COULGON A., CRANTON M.,

RA DEAR S., DU Z., DUDGELH R., FAVELLO A., PULTON L., ALABORRA A., GEREN P.,

RA MARTINE T., LAISTEN M., ALTER M., ANTERLIE P., LIGHTING O., LLOTO C.,

RA MERITER T., LAISTEN M., ANTERLIE P., LIGHTING O., LLOTO C.,

RA MERITER M., ANDERSON R., SANTHER M., PARSONS J., PRECT C.,

RA MERITER M., ANDERSON R., SANTH A.,

RA VALUDIA M., POLICIAN R., PARSONS J., PRECT C.,

RA VALUDIA M., POLICIAN R., PARSONS J., PRECASON R.,

RA VALUDIA M., POLICIAN R., PARSONS A., WEINSTOCK L.,

R. MATURE 3681-218(1994)

B. REGEL, 2326(1994)

SEQUENCE 102 AA; 111554 MF; 4992EPPC CRC32;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match
1.9%; Score 7; DB 2; Length 66;
Ber Local Similarity 100:04; Pred. No. 1.64-00; Andrea Pred. Parches 7; Conservative 0; Mismatches 0, Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     PYROCOCCUS HORIKOSHII.
ARCHAEA, EURIANCHAEOTA, THERMOCOCCALES; THERMOCOCCACEAE; PYROCOCCUS.
                                                                                                                                                     01-AGC-1989 (TREMELLER, 07, CREATED)
01-AGC-1989 (TREMELLER, 07, LAST SEQUENCE UPDATE)
01-AGC-1989 (TREMELLER, 07, LAST ANNOTATION UPDATE)
101-AGC-1989 (TREMELLER, 07, LAST ANNOTATION UPDATE)
METHICLOCOCCUS CAPSULATUS.
METHICLOCOCCACCES CAPSULATUS.
METHICLOCOCCACCAE.
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YAMADANINS T., SHANDA H., HORILAMA B., KOSCIT H. HOROSTONA A., MAGAT.
ASALA H., COUTRA R., COTTURA R., MAKAZANA H., TAKANTA H., OHEVETO
FURNALSHIT T., TAKANAT T., MODER M., TAKANAT J., THENHIDA H., OGETO
STRAINTENED (DEC.) 1000 H., MAKANAT J., MAKANAT J., SHIEUTA H., KING
STRAINTENED (DEC.) 1997) TO DEBLYCENBANK/DBS DATA BANKS.
BERGL, ABOOGHS, DIOZYGES, SEGURENBANK/DBS DATA BANKS.
SERGUENCE I. DIOZYGES, SEGURENBANK/DBS DATA BANKS.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match 1.99; Score 7; DB 1; Length 108; Best Local Similarity 100:04; Pred. No. 1.64+00; Manatches 7; Conservative 0; Manatches 0; Indels 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              GOSSFILM HISGTUM (UPLAND COTTON).
BURARTORA: PLANTA: BEBRIOPHITA; ANGIOSPERMAE; DICOTTLEDONEAE;
MAUMLES: MALWACEAE.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match 1.9%; Score 7; DB 5; Length 102; Best Local Similarity 100:0%; Pred. No. 1.64e-00; No. 1.64e-00; Afamatches 0; Indels More 1. Conservative 0; Mismatches 0; Indels No. 1.04e-18
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          SUBMITTED (AUG-1994) TO EMBL/GENBANK/DDBJ DATA BANKS.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    SEQUENCE FROM N.A.
STAILS-RIAT, ANCO33009,
TIPPELT A., JAHNE L., PORALLA K.;
LOCHIM. BUCCHIM. BUCCHIC. SEQUENCE 66 AA; 7338 MM; BULLEOFF ERC32;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        9 LHITQLI 15
| | | | | | | |
| 15 LHITQLI 21
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                  Page 9
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STRAINSVEST.

DECERT G., WARREN P. V., GAASTERLAND T., TOUNG N.G., LEROX A.L.,

ORANNA D.E., OVERBERER P. W., ALL,

FELDANK R.A., SHORT J. M., OLGON G.J., SRANSON R.V.,

SUBMITTED (LUL, 1997) TO EREL/CENBANK/DDBJ DATA BANKS,

ERG., ARODOGSJS, G292340;

ERG., ARODOGSJS, G292340;

SEQUENCE 100 AA: 10464 MM; 3E1626DC CRC32;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          STATINGE FROM N.A.
STRAINGE, S. OFFERENCE T., TOUNG W.G., LENOX A.L.,
GRANAN D.E., OVERBERER R., SNEAD M.A., KELLER M., AUJAK M., HUBER R.,
MATURE 192:353-356(1998).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | RESULT | 14 | Control | 14 | Control | 15 | Control | 16 | Contr
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Best Local Smilarity 100:04: Pred. No. 1.66+00;
Matches 7: Conservative 0: Mismatches 0: Indels 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Outery Match 2.2%; Score 8: DB 5; Length 3345; Best Local Smillarity 100:0%; Pred. No. 1306-02; Maches 8; Conservative 0; Manatches 0; Indels 0;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     RESULT 13

PO 066503.

CO 066503.

CO 1-100-1-3094 (TREMELINEL 07) CREATED)

DT 01-100-1-3094 (TREMELINEL 07) CREATED)

DT 01-100-1-3094 (TREMELINEL 07) LAST REGULENCE UPDATED)

DT 01-100-1-3094 (TREMELINEL 07) LAST REGULENCE UPDATED)

DE PROTEIN EXPORT REMEMBER 07, LAST REGULENCE AGUIFEX.

ON OUTER AROLICUS.

CETAMORTER AROLICUS.

CETAMORTER AROLICUS.

REMEMBER 10, CAMASTERIAND T., TOURG W.G., LETAMORTER CONTROL OF CREATER M. AUGNATION OF CAMASTERIAND T., TOURG W.G., LETAMORTER CONTROL OF CAMASTERIAND T., TOURG W.G., LETAMORTER CONTROL OF CAMASTERIAND T., TOURG W.G., LETAMORTER STOCK OF CAMASTERIAND T., TOURG W.G., TOURG W.G., TOURG W.G., CAMASTERIAND T., TOURG W.G., LETAMORTER STOCK OF CAMASTERIAND T., TOURG W.G., TOURG
                                                                                                                                         RP SECURINCE FROM N.A. BARRELL B.;
A HYRPHT L., BARKES D., BARRELL B.;
R. (2) THE (DEC.1997) TO EMBL/GENBANK/DDBJ DATA BANKS.
R) (2) THE (DEC.1998) TO EMBL/GENBANK/DDBJ DATA BANKS.
R) ERNOS F. (2) THE (DEC.1998) TO EMBL/GENBANK/DDBJ DATA BANKS.
R) ERNOS F. (2) THE (DEC.1998) TO EMBL/GENBANK/DDBJ DATA BANKS.
R) EMBL/GENTED (FEB.1998) TO EMBL/GENBANK/DDBJ DATA BANKS.
R) EMBL/GENTED (FEB.1998) TO EMBL/GENBANK/DDBJ DATA BANKS.
R) EMBL/GENTED (FEB.1998) TO EMBL/GENBANK.
R) EMBL/GENTED (FEB.1998) TO EMBL/GENBANK.
R) EMBL/GENTED (FEB.1998) TO EMBL/GENTED (FEB.1998)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Db 2390 NISRQTSE 2397
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  346 NISRQTSE 353
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Qy 250 VVLVPLA 256
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Qy 246 VIIAVVL 252
Tue Nov 17 08:55:23 1998
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